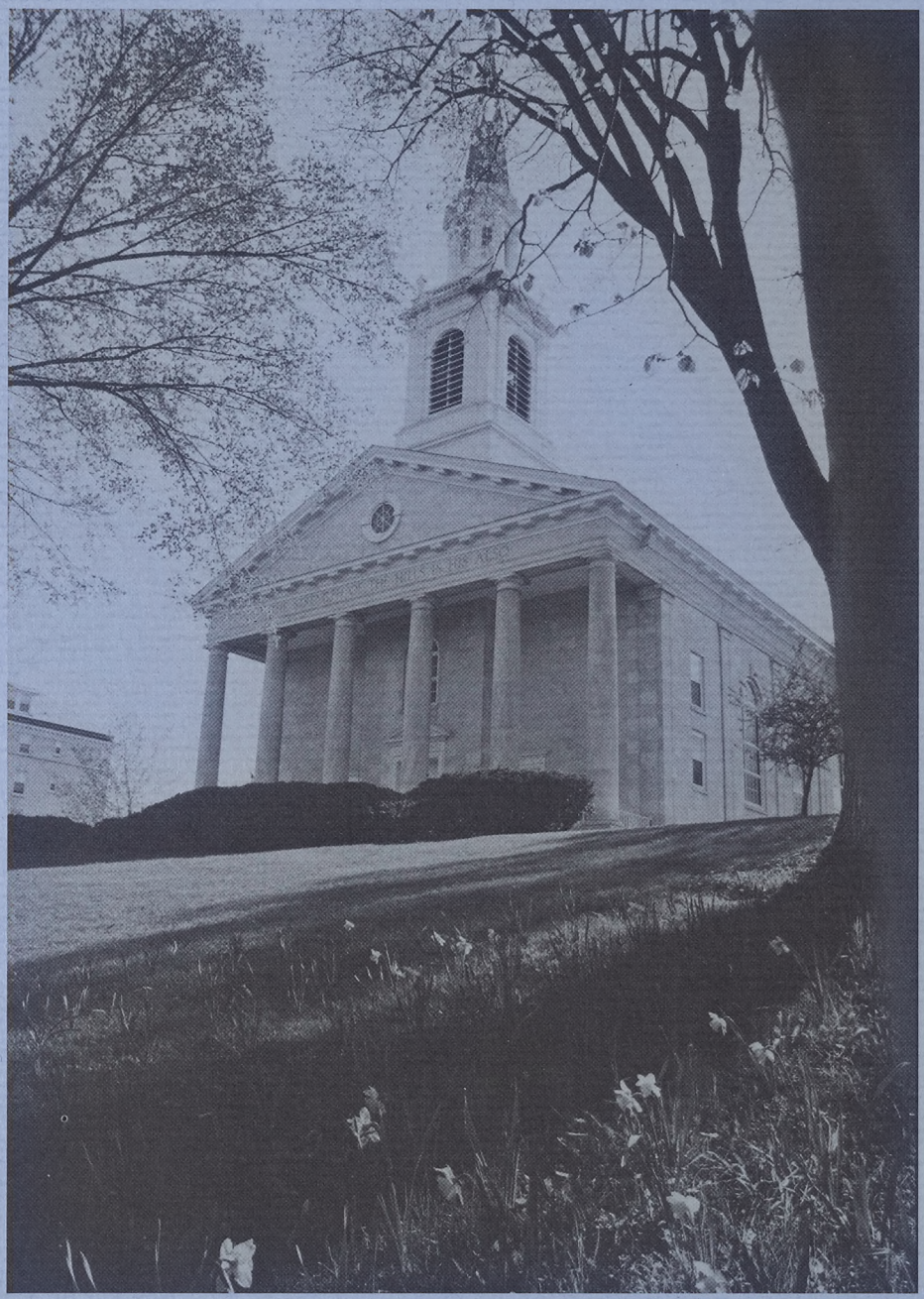

Middlebury College

Course Catalog Supplement
1986–87

Middlebury College complies with the 1964 Civil Rights Act, Title IX of the Educational Amendments of 1972, the IRS Anti-Bias regulation and Section 504 of the Rehabilitation Act of 1973. In so doing, Middlebury College does not discriminate against any individual on the basis of race, color, sex, religion, ethnic origin or handicap in any of its programs or activities. The Dean of the College, Old Chapel, Middlebury College, Middlebury, VT 05753 (802) 388-3711 is responsible for coordinating the College's efforts to comply with sec. 504, Rehabilitation Act of 1973.

MIDDLEBURY COLLEGE, a publication, is published by the Middlebury Publication Service Forest Hall, Middlebury College, Middlebury, Vermont 05753 in January, March, April and September. Second-class postage paid at Middlebury, VT 05753
USPS 349-130

Postmaster: Send address changes to
MIDDLEBURY COLLEGE, P.O. BOX 500
Middlebury, VT 05753

Vol. LXXXI, April 1986, No. 3

HOW TO USE THIS SUPPLEMENT

As a guide to courses which will be offered at Middlebury College during the 1986-87 academic year, this supplement must be used in conjunction with the College's 1985-86 Registration Catalog. Some of the courses listed in that Catalog have been modified in one or more ways or have been dropped from next year's offerings while some new courses which do not appear in the Catalog have been added.

This document lists every course in the 1985-86 Catalog, indicating whether the course is being offered again without change, offered again but modified in certain respects, omitted in 1986-87 or dropped completely from the curriculum. It also gives all details for the new courses introduced since the Catalog was published. When using this supplement, please keep the following in mind:

1. If a course is being offered again without change, only its title and the term it will be offered are listed.

2. If a course has been changed in some way, only its title, the term offered, and changes (i.e. new instructor's name, new description, etc.) are listed here; all other information relating to the course is in the Catalog and students may assume that the Catalog information about the course still applies.

3. If a course is being omitted in 1986-87, its title is placed in (brackets).

4. If a course has been dropped entirely from the curriculum, its title is followed by the word, "Deleted."

5. As in the Catalog, Foundations Courses are preceded by an asterisk (*) in department copy.

6. All faculty (excluding those people not yet hired) for the 1986-87 academic year are listed at the beginning of their department copy.

FOUNDATIONS COURSES FOR 1986-87:

FOREIGN LANGUAGES DIVISION

CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION. Spring.
CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME. Fall.
CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES Spring.
CL 150 THE ANCIENT EPIC. Fall.
CL 152 GREEK TRAGEDY. Spring.
FL 116 THE FAMILY AND THE NOVEL. Spring.
FL 201 INTRODUCTION TO LINGUISTICS. Fall.
FL 266 VERSIONS OF THE FOREIGN. Fall.
(FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST)
FR 120 WOMEN WRITERS IN FRANCE. Spring.
RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880). Fall.
RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT) (IN ENGLISH). Spring.
SI 231 CAPTAINS, KINGS AND CAUDILLOS (IN ENGLISH). Spring.
SI 290 DANTE (IN ENGLISH). Spring.
(SI 294 THE ITALIAN RENAISSANCE (IN ENGLISH))

HUMANITIES DIVISION

AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall.
(EL 110 CONTINENTAL FICTION)
(EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN)
(EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY)
EL/AL 113 VISIONS OF NATURE. Spring.
MU 101 INTRODUCTION TO MUSICAL STYLES. Fall, Spring.
(MU 105 PERSPECTIVES OF MUSIC)
MU 109 RUDIMENTS OF MUSIC. Fall, Spring.

PA 150 INTRODUCTION TO PHILOSOPHY. Fall, Spring.
PA 180 INTRODUCTION TO MODERN LOGIC. Fall, Spring.
(PA 190 ETHICS AND THE ENVIRONMENT)
(PA 201 ANCIENT AND MEDIEVAL PHILOSOPHY)
PA 202 MODERN PHILOSOPHY FROM DESCARTES TO PEIRCE. Spring.
RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Fall.
(RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT)
RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT. Spring.
RE 201 THE JEWISH TRADITION. Fall.
RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Spring.
TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring.
TH 130 FILM FORM AND FILM SENSE. Fall, Spring.

NATURAL SCIENCES DIVISION
BI 125 INTRODUCTION TO BIOLOGY. Fall.
BI 130 MAN AND DISEASE. Fall.
BI 190 GENERAL ECOLOGY. Spring.
CH 103 FUNDAMENTALS OF CHEMISTRY I. Fall, Spring.
CH 105 (Same as CH 103, but without lab)
CH 170 CHEMISTRY FOR CITIZENS. Fall.
GL 152 GEOLOGIC TIME. Spring.
GL 170 GLOBAL TECTONICS. Fall.
MA 103 INTRODUCTION TO COMPUTERS. Fall, Spring.
MA 105 FINITE MATHEMATICS: PROBABILITY, MATRICES AND PROGRAMMING. Spring.
MA 106 INTRODUCTION TO STATISTICAL SCIENCE. Fall.
MA 213 COMPUTER SCIENCE I. Fall, Spring.
(MA 227 SET THEORY)
MA 240 HISTORY OF MATHEMATICS. Spring.
NS 128 CRYPTOLOGY. Spring.
PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring.
PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall.

SOCIAL SCIENCES DIVISION
GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring.
HI 103 INDIVIDUALS AND ORGANIZATIONS. Fall.
HI 104 MODERN REVOLUTIONS. Spring.
LI 206 THINKING LINGUISTICS. Fall.
PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.
(PS 107 POLITICS AND THE STUDIES OF POLITICS)
SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall.
(SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT)

FRESHMAN WRITING PROGRAM

Courses in general will remain the same for 1986-87.

INTERDEPARTMENTAL

ID 100 INTENSIVE FRESHMAN WRITING SEMINAR. Fall. An intensive writing course intended to improve writing skills. This course is also useful for those students for whom English is a second language. Numerous papers and revisions are required. Class discussions focus on the analysis of varied literary works in order to help students develop analytical skills. Students will be taught how to use the word processor. This course does not fulfill the freshman writing requirement. Mrs. Pack.

DIVISION OF FOREIGN LANGUAGES

*FL 116 THE FAMILY AND THE NOVEL. Spring. New Course. The novels will be read within the context of the evolution of contemporary discourses on the family and its attendant themes (sexuality, domesticity, concepts of gender, patriarchal structures). The course will seek to convey to students a sense of the relationship that at times obtains between prose and sociological approaches to literature. Readings: Dickens, Bleak House, Woolf, A Room of One's Own, Proust, Swann's Way, Faulkner, Absalam, Absalam!, Kafka, The Penal Colony, Beckett, Molloy. Mr. Reid.

*FL 201 INTRODUCTION TO LINGUISTICS. Fall.

FL 247 FILM AND LITERATURE AS NARRATIVE ART. Spring. New Course. Since the earliest days of German cinema, the adaptation of literature to the

screen has produced films both compelling and controversial. Students will study the adaptation and transformation of literature to the screen, focusing on the "point" of both the literary source and the film adaptation. The course will compare the two media structurally, as well as raise questions about the political and cultural implications of the works studied. Screenings, lectures, readings, oral reports, short essays, and one longer paper - in English. Literature and film included: The Three Penny Opera Brecht/Pabst; The Kaiser's Lackey H. Mann/Staudte; Young Torleb Musil/Schlondorff; Billiards at Half-past Nine Boll/Not Reconciled Straub and Huillet. Ms. Brodnax.

*FL 239 STRUCTURING THE CHAOS. Deleted.

*FL 266 VERSIONS OF THE FOREIGN. Fall. New Description. Drawing upon a variety of narratives - novels, explorer accounts, travel writing, short stories and film - we will seek out that which constitutes "the foreign" in the particular context of each narrative considered. Special attention will be given to the rhetoric and modes by which "foreignness" is portrayed. The "alien terrain," "imperialist outlook," "culture shock" and "America as foreign" will provide four broad categories into which the course will be divided. Each student is expected to join with the other students and participating faculty members in "exploring" such issues as knowledge vs. observation, experiencing vs. writing, cultural identity as liberating vs. imprisoning, the picturesque vs. the significant. This course will attempt its own "voyage of discovery" by searching for a typology of that-which-is foreign. (Tuesday afternoon or evening film series a required part of this course.) Mr. Knox, Mr. Berninghausen.

FL 340 THE ART AND CRAFT OF TRANSLATION. Spring.

(FL 405 SEMINAR: KAFKA)

For additional courses offered in English, see also (the below list replaces that found in the 1985-86 Catalog):

CL 112 INTRODUCTION TO GREEK CIVILIZATION. Fall.
CL 113 INTRODUCTION TO ROMAN CIVILIZATION. Spring.
*CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME. Fall.
*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES. Spring.
*CL 150 THE ANCIENT EPIC. Fall.
*CL 152 GREEK TRAGEDY. Spring.
(CL 155 GREEK AND ROMAN COMEDY)
CL 220 INTRODUCTION TO GREEK SCIENCE. Fall.
(CL 317 PLATO)
CL 450 HISTORY OF CLASSICAL LITERATURE (IN TRANSLATION). Spring.
*CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION. Spring.
(CS 216 TRADITIONAL CHINESE FICTION IN TRANSLATION)
CS 220 MODERN CHINESE FICTION IN TRANSLATION)
(CS 225 CLASSICAL CHINESE POETRY IN TRANSLATION)
CS 260 MODERN CHINESE FICTION IN TRANSLATION. Fall.
(*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST)
*FR 120 WOMEN WRITERS IN FRANCE. Spring.
*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880). Fall.
*RU 152 RUSSIAN MODERNISM (1880-PRESENT). Spring.
RU 351 DOSTOEVSKY. Fall.
(RU 352 TOLSTOY)
(RU 353 RUSSIAN THEATER)
(RU 354 CHEKHOV)
RU 356 RUSSIAN LITERATURE OF THE 60'S AND 70'S. Spring.
*SI 231 CAPTAINS, KINGS AND CAUDILLOS. Spring.
*SI 290 DANTE. Spring.
(*SI 294 THE ITALIAN RENAISSANCE)
(SI 298 THE ITALIANS)

DIVISION OF NATURAL SCIENCES

*NS 128 CRYPTOLOGY: THE MATHEMATICS AND TECHNOLOGY OF BREAKING SECRET CODES. Spring. Cryptology is the study of the hiding of the meaning of messages. Its concerns are: 1) the science of making communications unintelligible to all except the intended recipients to discover the true

content of the message. The progress of cryptology has closely paralleled the discovery of new mathematical and technological ideas, from invisible inks to cipher wheels to high speed computers. We will use cryptology as a vehicle to study some of these technologies, but our primary focus will be on introducing the mathematical ideas that underlie classical and modern cipher making and breaking: modular arithmetic, number theory, matrix algebra, probability and statistics, elementary computer programming. Two years of secondary school mathematics are sufficient background for the course. Mr. Olinick.

AMERICAN LITERATURE AND CIVILIZATION

Professors: Stephen Donadio (chairman), John McWilliams. Assistant Professors: John Gilkeson (Dana Faculty Fellow in American Civilization), Joanne Jacobson (on leave), Karl Lindholm, Brett Millier.

Mr. Gilkeson will direct the program in American Civilization in 1986-87.

AMERICAN LITERATURE

AL 103A THE AMERICAN WEST: CALIFORNIA. Fall. Ms. Millier.

AL 103B THE AMERICAN CHARACTER. Fall. Mr. Lindholm.

AL 103C AMERICAN FICTIONS. Fall. Staff.

AL 103D THE AMERICAN SHORT STORY. Spring. Mr. McWilliams.

AL 103E AMERICAN SHORT FICTION. Deleted.

AC 103 AMERICAN VALUES. Fall. New Course. Mr. Gilkeson. Like the above AL 103 courses, this course fulfills the freshman writing requirement.

*AL/EL 113 VISIONS OF NATURE. See English Department listings for description.

AL 201 AMERICAN LITERATURE: 1620-1830. Fall.

AL 202 AMERICAN LITERATURE: 1830-1865. Fall.

AL 203 AMERICAN LITERATURE: 1865-1940. Spring. Ms. Millier.

(AL 260 FICTION BY AMERICAN WOMEN). Offered in 1987-88.

AL 301 THE AMERICAN NOVEL: I. Fall. Mr. McWilliams.

AL 302 THE AMERICAN NOVEL: II. Spring. Mr. Donadio.

(AL 306 AMERICAN POETRY: 1620-1920). Offered in 1987-88.

AL 307 TOPICS IN TWENTIETH CENTURY AMERICAN POETRY. Spring. Ms. Millier.

AL/EL 309 CONTEMPORARY LITERATURE. See English Department listings for description.

AL/EL 312 MODERN POETRY. See English Department listings for description.

AL 320 THE AMERICAN EPIC. Spring. New Course. Because of the grand promise of the New World, many American writers have sought to demonstrate that heroism could still be possible in a commercial democracy, and that the epic could be adapted to the modern world. We shall consider the changing problems, literary and thematic, in realizing these two aims. Authors will include Homer, Milton, Cooper, Whitman, Melville, Norris and Williams. Mr. McWilliams.

AL/AC 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE IN THE 1960's. Fall. New Course. See American Civilization listings for description.

(AL 340 REGIONALISM: LITERATURE OF NEW ENGLAND). Offered in 1987-88.

(AL/AC 420 AMERICAN CULTURE: 1941-1961). Offered in 1987-88.

AL 450 SEMINAR IN MAJOR AUTHORS. Fall. New Description. Intensive study of a single author or two closely related authors. Readings will include secondary sources. A lengthy term paper will be required. William Faulkner Fall. Ms. Millier.

(AL 455 BLACK AMERICAN LITERATURE). Offered in 1987-88.

AL 500 SPECIAL RESEARCH. Fall, Spring.

AL 700 SENIOR RESEARCH. Fall, Spring.

AL 704 SENIOR SEMINAR. Fall. New Description. Group discussion of selected works related to the required reading list for majors. Regular oral presentations and written work required. Mr. Donadio.

AMERICAN CIVILIZATION

John Gilkeson is Acting Director of the American Civilization major. Serving as advisers in the program in 1986-87 will be: Paul Albanese (Economics); Eric Davis (Political Science); Robert Ferm (Religion); Rudolf Haerle (Sociology-Anthropology); John Gilkeson and John McWilliams (American Literature and Civilization); Christopher Wilson and Glenn Andres (Art); Travis Jacobs (History); Susan Cook (Music) and Tamar Mayer (Geography).

AC 103 AMERICAN VALUES. Fall. New Course. This course fulfills the freshman writing requirement. Mr. Gilkeson.

AC 220 TOPICS IN AMERICAN CIVILIZATION: AMERICAN CULTURE, 1919-1929. Spring. An inquiry into cultural developments in the United States during the 1920's, the first so-called modern decade. Topics include business civilization, pecuniary culture, the rise of the mass media, automobile-age America, the small town, the professionalization of the home, the expatriation of the intellectuals, the revolution in morals and manners, the persistence of pietism, and ethno-cultural conflict. Mr. Gilkeson.

AC/AL 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE in the 1960'S. Fall. New Description. An exploration of cultural patterns emerging in a decade characterized by continuing turbulence and radical change in all areas of American life. The course will focus on significant developments in popular culture, the visual arts, literary form, and political expression. Among the topics to be considered are the presidential campaigns of 1960, 1964, and 1968, the U-2 incident, the Berlin crisis, the Cuban missile crisis, the Bay of Pigs episode, the space program, the Civil Rights movement, the Black Power movement, the Vietnam War protests, students uprisings, the Woodstock phenomenon, the ascendence of Pop Art and minimalism, and the assassinations of John F. Kennedy, Malcolm X, Martin Luther King, and Robert Kennedy. In addition to regular class meetings, this course requires attendance at weekly screenings of a wide variety of documentary and fiction films relating to the period. Independent research and several papers will be required. Readings will include works by Saul Bellow, Norman Mailer, Joseph Heller, James Baldwin, Malcolm X, John Updike, Thomas Pynchon, Walker Percy, Robert Lowell, Allen Ginsberg, John Ashbery, Tom Wolfe, and Joan Didion. Mr. Donadio.

(AL/AC 420 AMERICAN CULTURE: 1941-1961). Offered in 1987-88.

I. Courses required of all students.
Replace 1. with: AL 103 or AC 103 TOPICS IN AMERICAN LITERATURE AND CIVILIZATION or
AL 201 AMERICAN LITERATURE (1620-1830)

II. Replace all copy with the following:

Four related American courses chosen from the following list. Students are required to take at least three of these courses in a single

department. These courses, in conjunction with those taken under Part I, will provide students with considerable experience in a single traditional discipline.

AMERICAN CIVILIZATION
AC 103 AMERICAN VALUES (freshman writing). Fall.
AC 220 TOPICS IN AMERICAN CIVILIZATION/AMERICAN CULTURE, 1919-1929. Spring.
AC 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE IN THE 1960'S. Fall.
(AL/AC 420 AMERICAN CULTURE: 1941-1961) Offered in 1987-88.

AMERICAN LITERATURE
AL 103 TOPICS IN AMERICAN LITERATURE. Fall, Spring.
AL 203 AMERICAN LITERATURE: 1865-1940. Spring.
AL 301 THE AMERICAN NOVEL: NINETEENTH CENTURY. Fall.
AL 302 THE AMERICAN NOVEL: TWENTIETH CENTURY. Spring.
(AL 306 AMERICAN POETRY: 1620-1920) Offered in 1987-88.
AL 307 TOPICS IN TWENTIETH CENTURY AMERICAN POETRY. Spring.
(AL/AC 420 AMERICAN CULTURE: 1941-1961) Offered in 1987-88.
(AL 440 REGIONALISM: LITERATURE OF NEW ENGLAND) Offered in 1987-88.
AL 450 SEMINAR IN MAJOR AUTHORS. Fall.
(AL 455 BLACK AMERICAN LITERATURE) Offered in 1987-88.

ART
AR 207 AMERICAN PAINTING: 1750-1900. Spring.
(AR 211 AMERICAN DESIGN)
AR 308 LATE MODERN ART. Fall.
(AR 314 AMERICA: THE VISUAL ENVIRONMENT)
AR 403 SEMINAR IN MODERN ARCHITECTURE: THE CAMPUS. Spring.
AR 407 SEMINAR IN AMERICAN ART: Winslow Homer. Fall.

ECONOMICS
EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.
EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.
(EC 300 CURRENT PROBLEMS IN ECONOMIC POLICY)
EC 310 ECONOMICS OF INVESTING IN SECURITIES. Fall.

EC 365 ENVIRONMENTAL ECONOMICS. Fall.
(EC 485 LABOR ECONOMICS)
(EC 465 PUBLIC POLICY TOWARD BUSINESS)
(EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS)

GEOGRAPHY
GG 211 ECONOMIC GEOGRAPHY. Spring.
GG 212 URBAN GEOGRAPHY. Fall.
GG 230 SOCIAL ASPECTS OF ENVIRONMENTAL CONSERVATION. Spring.

HISTORY
(HI 361 COLONIAL AMERICA)
(HI 362 THE ERA OF THE AMERICAN REVOLUTION.
HI 363 JEFFERSONIAN AND JACKSONIAN AMERICA: 1800-1848. Fall.
(HI 364 CIVIL WAR AND RECONSTRUCTION)
HI 365 VICTORIAN AMERICA. (GILDED AGE) Spring.
HI 366 AMERICAN FRONTIERS. Spring.
HI 367 TWENTIETH CENTURY AMERICA: 1920-1948. Fall.
HI 368 TWENTIETH CENTURY AMERICA: 1948-PRESENT. Spring.
HI 371 BLACK HISTORY. Fall.
(HI 376 AMERICAN LABOR HISTORY)
(HI 378 LOCAL HISTORY)
HI 405 READINGS IN AMERICAN HISTORY: GREAT AMERICAN HISTORIANS. Fall.
(HI 415 TOPICS IN AMERICAN HISTORY)
HI 422 RESEARCH AND WRITING IN U.S. HISTORY. Spring.

MUSIC
MU 326 MUSIC IN AMERICA. Spring.

POLITICAL SCIENCE
PS 208 CONGRESS. Spring.
PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM. Fall.
(PS 306 AMERICAN CONSTITUTIONAL LAW: THE BILL OF RIGHTS)
PS 312 POLITICS OF THE FEDERAL BUREAUCRACY. Spring.
(PS 314 POLITICS OF AMERICAN FEDERALISM)

(PS 402 SEMINAR: LIBERALISM AND CONSTITUTIONALISM)
PS 410 SEMINAR: POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA. Fall.
(PS 425 SEMINAR: THE AMERICAN PRESIDENCY)

RELIGION
RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE TWENTIETH CENTURY. Fall.
RE 306 THE PURITAN TRADITION IN AMERICA. Spring.
(RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY)

SOCIOLOGY-ANTHROPOLOGY
(SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT)
(SA 315 SOCIOLOGY OF EDUCATION)
SA 316 SOCIOLOGY OF YOUTH. Spring.
(SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE)
SA 343 AMERICAN COMMUNITY STUDIES. Fall.
SA 344 URBAN SOCIOLOGY. Spring.
(SA 345 WORK, LEISURE AND SPORT)
SA 370 SOCIOLOGY OF INEQUALITY. Fall.
(SA 385 MEDICAL SOCIOLOGY)
SA 387 SOCIOLOGY OF LAW. Spring.
SA 388 DEVIANCE. Fall.
(SA 390 SOCIOLOGY OF WOMEN)

THEATRE, DANCE AND FILM
(TH 216 AMERICAN DRAMA)
TH 234 AMERICAN FILM GENRES. Spring.

III. Advanced Studies: AC 400, AC 401, AC 704, and two semesters of AC 700 are required. (5 courses)

AC 400 SEMINAR IN AMERICAN CIVILIZATION (JUNIOR YEAR). Fall. Mr. Gilkeson and Mr. McWilliams.

AC 401 RESEARCH SEMINAR (JUNIOR YEAR). Spring.

AC 500 INDEPENDENT STUDY. Fall, Spring.

AC 700 SENIOR THESIS. Fall, Winter.

AC 704 SEMINAR IN AMERICAN CIVILIZATION (SENIOR YEAR). Spring. Mr. Gilkeson.

ART

Professors: Glenn Andres, David Bumbeck, John Hunisak. Assistant Professors: James Butler (on leave winter and spring terms), David Napier, Eric Nelson, Kirsten Powell, Richard Saunders (College Curator), Christopher Wilson.

*AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall. Mr. Hunisak and Staff.

AR 102 MODERN ART. Spring.

AR 103 INTRODUCTION TO FAR EASTERN ART. Spring. New Description. As an introduction to the art of the Far East, this course will examine the painting, sculpture, architecture, and decorative arts of India, Southeast Asia, China, and Japan. Works of art will be studied in terms of style, iconography, and social and historical context. Two lectures and one discussion per week. Ms. Powell.

AR 115 INTRODUCTION TO PRIMITIVE ART: AFRICA, OCEANIA AND THE AMERICAS. Fall. Mr. Napier.

AR 201 ART OF THE ITALIAN RENAISSANCE. Fall. Mr. Wilson.

AR 207 AMERICAN PAINTING: 1750-1900. Spring.

AR 209 STUDIO ART I. Fall. Mr. Bumbeck, Mr. Nelson, Mr. Butler.

AR 210 STUDIO ART II. Spring. Mr. Bumbeck, Mr. Nelson.

(AR 211 AMERICAN DESIGN)

(AR 216 ART OF THE MIDDLE AGES: MEDIEVAL ART AND ARCHITECTURE)

(AR 217 EIGHTEENTH CENTURY EUROPEAN ART AND ARCHITECTURE)

(AR 218 HISTORY OF PHOTOGRAPHY)

AR 301 MODERN ARCHITECTURE. Spring. New Description. The Western tradition in architecture since the Industrial Revolution. A survey of the persons, monuments and developments that established the aesthetic, social and technological background for the contemporary architectural scene. Mr. Andres.

AR 302 BAROQUE ART: PAINTING, SCULPTURE AND ARCHITECTURE OF SEVENTEENTH CENTURY ROME. Fall. New Description. During the period to be considered, Rome was the undisputed capital of the art world. From the vast projects of Pope Sixtus V to the death of Bernini, we will investigate the richness, diversity and splendor or artistic creation under a Church Triumphant. Mr. Hunisak.

(AR 303 NORTHERN EUROPEAN ART: 1300-1600)

AR 304 NORTHERN BAROQUE ART. Spring. New Course. Against the historical and intellectual backdrop of 17th century Europe, we will examine the art of the major schools and masters (including Rembrandt, Rubens, Velasquez, and Van Dyck). Special attention will be focused upon the great masterpieces of the period, such as Rembrandt's "The Night Watch," Rubens' Antwerp Altarpiece, and Velasquez's "Ladies in Waiting." Mr. Wilson.

AR 305 PAINTING AND SCULPTURE OF NINETEENTH CENTURY EUROPE. Spring. Mr. Hunisak.

AR 307 THE ART OF THE CITY. Fall. New Description. A study of man's most complex and critical physical monument. The city (historical and "ideal") will be surveyed from antiquity to the present in an investigation of its changing purposes, elements, and organization. Mr. Andres.

AR 308 LATE MODERN ART. Fall. Ms. Powell.

AR 309 PAINTING. Fall.

AR 310 PAINTING. Spring. Staff.

(AR 311 ANCIENT ART)

AR 312 ROMAN ART. Fall. New Description. Roman civilization mirrored by eight centuries of art and architecture - on the surface eclectic and derivative, beneath manifesting the technical, organizational and propagandistic complexity and brilliance that was Rome. Mr. Andres.

(AR 314 AMERICA: THE VISUAL ENVIRONMENT)

AR 315 PRINTMAKING. Fall. New Description. Studio instruction in traditional and contemporary methods of intaglio printmaking. Critical emphasis on monochrome imagery augmented by extensive slide lectures providing the student with a thorough background in recent developments in the intaglio media. Limited to 15 students. (AR 209 and AR 210.) Mr. Bumbeck.

AR 316 PRINTMAKING. Spring. New Description. Continued instruction in the intaglio medium incorporating the collagraph method and the full range of color methods including ink viscosity, multiple plate and relief color printing. (AR 315.) Mr. Bumbeck.

(AR 317 FILM AND MODERNISM IN THE ARTS)

AR 319 SCULPTURE. Fall.

AR 320 SCULPTURE. Spring. Mr. Nelson.

AR 321 INDIAN AND INDONESIAN ART. Spring.

AR 331 SPECIAL TOPICS IN STUDIO: REPRESENTATIVE DRAWING. Fall. New Course. A studio course involving contemporary approaches to figurative, representational drawing. Initial work drawing from the model will lead to project themes such as distortion, motion, transformation, the collage aesthetic, narrative imagery, and expressionism. Throughout the course exploration of varied drawing media will augment the development of compositional invention. (AR 209 and AR 210.) Mr. Bumbeck.

AR 332 SPECIAL TOPICS IN STUDIO. Spring. New Course. Staff.

AR 400 THE ART WORK AND THE WORD. Spring. Mr. Hunisak.

AR 401 SEMINAR IN MODERN ART: THE LIFE AND WORK OF PICASSO. Fall. New Description. This seminar will focus on the rich and varied career of one of the most significant artists of our century by surveying his life, work, and influence. Emphasis will be given to important masterpieces, including the "Demoiselles d'Avignon," the curtain for "Parade," "Three Musicians," and "Guernica." Recurrent themes that contribute to the artist's complex personal iconography will be stressed. Each student will deliver and direct a seminar session. Limited to 12 students. Ms. Powell.

AR 403 SEMINAR IN MODERN ARCHITECTURE: THE CAMPUS. Spring. New Description. An examination of the Middlebury campus as an embodiment of two centuries of American architecture and planning. Lectures, readings, and discussions will deal with the national and local architectural styles and with the evolution of the American collegiate campus. Student research will be directed toward developing a history of the Middlebury campus and its buildings with relation to these broader themes. Limited to 12 students. Those interested should consult with the instructor before registration. (AR 211, AR 301, or AR 307.) Mr. Andres.

(AR 405 SEMINAR IN BAROQUE ART)

(AR 406 SEMINAR IN RENAISSANCE ART)

AR 407 SEMINAR IN AMERICAN ART: WINSLOW HOMER. Fall. New Description. An examination of the life and work of the American painter Winslow Homer. Although generally regarded as a popular painter of American life, Winslow Homer through his paintings often provides a penetrating and sometimes disturbing view of post-Civil War America; images of childhood in the Gilded Age; the hunter and the hunted; and man and his relationship to the sea. (Some work in American art and/or culture recommended but not required.) Limited to 12 students. Mr. Wilson.

(AR 408 SEMINAR IN PRIMITIVE ART: THE ART OF OCEANIA)

(AR 410 SEMINAR IN ICONOGRAPHY)

AR 510 ADVANCED STUDIES IN ART HISTORY

AR 520 ADVANCED STUDIES IN STUDIO

AR 710 SENIOR INDEPENDENT STUDY IN ART HISTORY

AR 720 SENIOR INDEPENDENT STUDY IN STUDIO

AR 730 SENIOR INDEPENDENT STUDY IN ARCHITECTURAL DESIGN

BIOLOGY

Professors: George Saul, Christopher Watters (on leave). Associate Professors: C. Randall Landgren (chairman), Tom Root. Assistant Professors: Pamela Small, Stephen Trombulak. Visiting Assistant Professors: Robert Cluss, Sallie Sheldon. Assistant: H. Peter Wimmer.

The courses below preceded by a "+" are available with or without the laboratory. (Majors and joint majors must take them with the laboratory.)

BI 102 SCIENCE IN SCIENCE FICTION. Fall. New Course. This course will explore the many themes of science prominent in science fiction literature. Our readings will be from many periods of science fiction, and will include Shelley, Wells, Huxley, and several contemporary authors. Emphasis will be on interpreting the science used in science fiction from descriptive, prophetic, and conjectural perspectives. Writing assignments will stress dialogue, narration, creativity, plot construction, and revision. 3 hrs. disc. Mr. Trombulak.

BI 111 WRITING ON NATURE. Spring.

+*BI 115 SOCIETY AND THE NEW GENETICS. Deleted.

+*BI 125 INTRODUCTION TO BIOLOGY. Fall.

*BI 130 MAN AND DISEASE. Fall. New Course. Despite the emergence of highly sophisticated medical knowledge and a trend towards greater longevity, immortality has so far evaded man. The rise and fall of human populations has been intricately associated with the evolution of new pathologies. For example, although small pox is now a disease of the past and syphillus is much reduced in virulence, AIDS and Legionnaire's Disease have emerged as new health concerns. This course will explore the dynamic relationship between man and his diseases from a biological, epidemiological and historical perspective. 3 hrs. lect./disc. Ms. Small.

*BI 190 GENERAL ECOLOGY. Spring. New Description. Why are big fierce animals so rare? If you are a plant, is it better to be an annual or flower year after year? What is the nature of the interaction between a gray whale and the barnacles that attach to it? Can biological control of pest species be successful? This course for non-majors and majors is an introduction to organisms in their environments, including consideration of physiological adaptations, behaviors, reproductive strategies. Exploration of the diversity of interactions between species and their role in the organization of communities. Discussion of the impact of humans on environments. Most laboratories will be conducted outside and focus on examining local organisms and habitats. 3 hrs. lect., 3 hrs. lab. Ms. Sheldon.

(+BI 201 INVERTEBRATE BIOLOGY). Offered in fall term 1987.

BI 202 VERTEBRATE LIFE. Spring. New Title and Description. We will explore the evolution of the vertebrate classes and the adaptations that allow them to live in almost every habitat on Earth. We will study the taxonomy, natural history, distribution, and morphology of each class and discuss how each group solves the problems of finding food, avoiding predators, and moving through the environment. Laboratory exercises will provide in depth exposure to both vertebrate anatomy and general principles of vertebrate biology. Occasional field trips will introduce the local vertebrate fauna in their natural habitat. (BI 125 or permission.) 3 hrs. lect., 3 hrs. lab. Mr. Trombulak.

+BI 203 BOTANY. Spring.

+BI 205 DEVELOPMENTAL BIOLOGY. Spring. Add carcinogenesis to topics to be covered.

BI 216 ANIMAL BEHAVIOR. Fall. New Description. The fascinating behavior of animals follows biological principles similar to those of morphology and physiology. Behaviors can be genetically determined, yet influenced by environment. Evolution has selected for some behaviors at the expense of others. Following an introduction to history and methods, we will examine these principles of behavioral study, relying heavily upon examples from live animals, and from field and laboratory studies. We will study individual and social behaviors such as feeding, courtship, mating, parental care, defense and migration. We will examine processes of behavior, such as instinct, learning, displacement, imprinting and communication. Recent controversies about behaviorism, intelligence and sociobiology will serve as major discussion topics. Students will present the results of a project of their own design. 2 hrs. lect., 1 hr. disc., 3 hrs. lab. (BI 125.) Mr. Root.

BI 225 HUMAN GENETICS. Fall. 2 hrs. lab/disc.

+BI 230 MICROBIOLOGY. Spring. Ms. Small.

+BI 250 ORGANELLES AND CELLS: AN INTRODUCTION TO CONCEPTS AND METHODOLOGY. Spring.

(BI 302 VERTEBRATE FIELD BIOLOGY). Offered in fall term 1987.

(BI 303 PLANT PHYSIOLOGY). Offered in winter term 1988.

BI 311 ECOSYSTEM ANALYSIS. Deleted.

BI 314 MOLECULAR GENETICS. Spring. 3 hrs. lect.

BI 325 APPLIED GENETICS. Spring. 4 hrs. disc./lab. Mr. Saul, Ms. Small.

BI 330 PATHOGENIC MICROBIOLOGY. Fall. New Title and Description. An investigation into the biology and biochemistry of pathogenic microorganisms. Pathogens have evolved complex strategies for ensuring their survival within a host. These include colonization, cell invasion, toxin production and a variety of immunological disguises. Emphasis will be placed on understanding the molecular basis for these strategies. Viral, bacterial, fungal and protozoan pathogens will be the protagonists in this course although a summary of host defense mechanisms will be presented as well. (BI 230 or BI 250.) 3 hrs. lect./disc. Ms. Small.

BI 335 APPLIED MICROBIOLOGY. Deleted.

BI 340 MEMBRANE BIOLOGY. Changed to BI 440. See below.

BI 360 APPLIED CELL BIOLOGY. Fall. Add "chromatographic methods" to techniques to be studied. New Prerequisites. (BI 250 and CH 241, or CH 421 or CH 422 or permission.)

BI 370 ANIMAL PHYSIOLOGY. Spring. New Prerequisites. (BI 250.)

BI 375 RADIATION BIOLOGY. Winter. New Description. This course considers some biological effects of high-energy radiation. Lecture topics include physical characteristics of the radiation and its sources; basic modes of action; effects on chromosome structure, the production of mutations, and other effects on cells; effects on tissues and organs, including morphology and embryology; and effects at the level of the whole organism, including types of damage, recovery, aging, and carcinogenesis. Labs on effects of gamma radiation on plants and induction of mutations in insects. (BI 250.) Mr. Saul.

BI 380 TECHNIQUES IN ANIMAL PHYSIOLOGY. Spring. New First Sentence: "Using a wide variety of methodologies and instruments, this course develops a coherent approach to doing modern physiology, by emphasizing how to ask questions and how to solve problems."

BI 390 ADVANCED ECOLOGY. Fall. New Course. This course builds on the ideas presented in BI 190 and deals in greater depth with population ecology, demography, life history strategies, species interactions, community structure and dynamics. For each of these topics we will examine its theoretical basis and examine results from field and lab experiments. (MA 112, BI 190.) 3 hrs. lect., 1 hr. disc. Ms. Sheldon.

BI 391 METHODS IN ECOLOGY. Fall. New Course. This course will focus on methods used in the three avenues of ecological research: laboratory experiments, field studies and computer modeling and simulation. The theoretical framework for this course will be presented in BI 390. Experiments in the lab will include a semester-long demographic study and experiments on species interactions. Field work will emphasize sampling in aquatic and terrestrial systems and use the High Pond field station. Many field labs will extend into the weekend. We will also use the college VAX to model species interactions and community dynamics. With the data we collect in the lab and field we will do data analysis, interpretation and presentation. (BI 190, 390 or concurrent.) 5 hrs. workshop/disc. and 6 field trips. Ms. Sheldon.

BI 402 VERTEBRATE REPRODUCTION. Spring.

BI 403 PHOTOSYNTHESIS. Fall.

BI 404 PHYSIOLOGICAL ECOLOGY OF ANIMALS. Fall. New Course. This seminar will focus on the interface of physiology and ecology of vertebrates and invertebrates through lectures and discussion of primary literature. Topics will include bioenergetics, thermoregulation, biological rhythms, water balance, endocrinological control of social behavior, and the physiology of defense. Emphasis will be on examining how physiological processes affect the behavior of individuals and the ecological patterns of populations and communities. Students will be required to make occasional oral presentations to the class and write one critical paper. Will alternate with BI 402. (BI 190, BI 370, or permission.) 3 hrs. lect/disc. Mr. Trombulak.

BI 411 ECOLOGY SEMINAR. Spring. New Description. This seminar will focus on the ecology of populations. Topics will include life history strategies, single species growth, the regulation of population numbers, and interactions between populations, e.g. competition, predation, herbivory, mutualism and coevolution. For each topic we will examine its theoretical framework and then examine the results of experimental tests of the models from current lab and field studies. (BI 190.) 3 hrs. disc. Ms. Sheldon.

BI 425 ADVANCED GENETICS. Fall. New Description. An examination of selected topics of current interest, including readings from journals and symposia. Past topics have included the molecular genetics of early development, extranuclear inheritance, immunogenetics and regulation of gene activity. Each student will give an oral presentation to the class and write one critical paper. (BI 314, or BI 225 and BI 250.) Mr. Saul.

BI 440 MEMBRANE BIOLOGY. (Formerly BI 340.) Fall. New Number. A critical examination of the roles of cellular membranes in metabolism, recognition and signaling, synthesis and degradation, and transport. These phenomena will be approached through the study of current research as the infection and replication of animal viruses, the maintenance of non-equilibrium concentrations of inorganic ions, and the synthesis of ATP during oxidative and photosynthetic phosphorylation. Students will prepare brief, oral presentations of primary literature and write one critical review of a journal article. (BI 250 and CH 241 or CH 421 or CH 422.) 3 hrs. lect. and disc. Mr. Watters.

BI 470 TOPICS IN PHYSIOLOGY. SIMPLE NERVOUS SYSTEMS AND THE CONTROL OF BEHAVIOR. Fall. New Title and Description. One approach to studying the incredible complexity of the nervous system is to first examine the operation of simpler nervous systems, and then apply the principles derived from those studies to humans. Amazing progress has been made recently by studying snails, insects, fishes and primates. Biologists have been able to deduce the network of nerve cells controlling a behavior, in essence discovering the specific neural circuit producing a behavior. We will study the most recent research literature of neurobiology, and develop a critical approach to examining such work. Students will be responsible for library research, preparing and presenting at least one major topic, and discussing research, reports for every class meeting. 3 hrs. lect./disc. (BI 125 and BI 250. Not open to those who had BI 470 in Fall 1985.) Mr. Root.

BI 500 ADVANCED STUDY. Fall, Winter, Spring.

BI 750 SENIOR WORK (ENVIRONMENTAL STUDIES). Deleted.

BI 900 RESEARCH AND THESIS. Fall, Winter, Spring.

CHEMISTRY

Professors: Robert Gleason (chairman), E.L. Pool. Assistant Professors: Susan Kegley, Maggie O'Brien, David Reingold, Steven Sontum.

Major Program. Under Joint Major in Biology and Chemistry, Required for a major: Change CH 351 to CH 352.

*CH 103 FUNDAMENTALS OF CHEMISTRY I. Fall, Spring.

*CH 105 Same as CH 103 but without the laboratory.

CH 104 FUNDAMENTALS OF CHEMISTRY II. Fall, Spring.

CH 106 Same as CH 104 but without the laboratory.

*CH 170 CHEMISTRY FOR CITIZENS. Fall. New Course. Designed for the non-science major. This course will explore several examples of major chemical advances and applications in their historical contexts, and their subsequent impacts on scientific and technological issues now confronting us. Special topics will be chosen as models of chemical applications that significantly affect our lives, such as the development of the pain-killer drug industry, the plastics revolution, and the development of instrumentation and techniques sensitive enough to determine even minute quantities of drugs in blood and urine. 2 hrs. lect., 1hr. disc., 1 Freshman Writing sect. Ms. O'Brien and Staff.

CH 241, 242 ORGANIC CHEMISTRY I and II. Fall, Spring.

CH 247, CH 248 Same as CH 241, CH 242 but without the laboratory.

CH 341 ORGANIC CHEMISTRY III. Fall.

CH 351 PHYSICAL CHEMISTRY I. Fall. New Description and Prerequisites. A study of gases, liquids and solids from a microscopic perspective. Kinetic theory and transport phenomena are studied. Statistical mechanics and quantum mechanics are developed and applied to simple system. Spectroscopy is examined as an application of quantum theory. The microscopic nature of chemical kinetics is examined. (CH 104, PH 110 or permission.) 3 hrs. lect., 4 hrs. lab. Mr. Sontum.

CH 352 PHYSICAL CHEMISTRY II. Spring. New Description and Prerequisites. A study of the macroscopic properties of gases, liquids, and solids. The laws of thermodynamics are developed and applied to simple chemical systems and to chemical equilibrium. Non-ideal behavior is considered from a thermodynamic perspective. Chemical kinetics is treated empirically with consideration given to the order and molecularity of reactions. Electrochemistry. (CH 104, PH 109 or permission.) 3 hrs. lect., 4 hrs. lab. Mr. Sontum.

CH 357 Same as CH 351 but without the laboratory.

CH 358 Same as CH 352 but without the laboratory.

CH 412 ADVANCED ANALYTICAL CHEMISTRY. Fall.

CH 421 BIOCHEMISTRY. Fall.

CH 422 BIOCHEMISTRY. Spring.

CH 427/428 Same as CH 421/422 but without the laboratory.

CH 431 ADVANCED INORGANIC CHEMISTRY. Spring.

CH 442 ADVANCED ORGANIC CHEMISTRY. Spring.

CH 452 PHYSICAL CHEMISTRY III. Spring.

CH 500 INDEPENDENT STUDY PROJECT. Fall, Spring.

CH 700 SENIOR WORK. Fall, Winter, Spring. Ms. O'Brien.

CH 750 SENIOR THESIS. (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

CHINESE

Professor: John Berninghausen (chairman). Lecturer: Gregory Chiang. Instructor: Catherine Campbell.

Major Program. Under Required for a Major: change the first two paragraphs to, "Satisfactory completion of CS 101, CS 102/WT, CS 102 and one course from among the following four--CS 133, CS 216, CS 220, CS 225--qualifies a student for admission to the major in Chinese. Formal admission to the major program may be requested in consultation with the department chairman.
Courses required for this major include (in addition to Beginning Chinese or its equivalent) CS 201, CS 202, CS 260, CS 301, CS 302 (or equivalent), CS 402 and at least two of the following courses--CS 133, CS 216, CS 220, CS 225. (Credit equivalent to CS 302 and/or CS 400 may be earned in approved study at language training programs located in Mandarin-speaking societies.) CS 475 (senior seminar) and CS 700 (senior thesis) are required during the senior year."

Under Honors, add at the end of the first paragraph: "The senior thesis will be due at noon on the final day of classes during the winter term. A thesis turned in on the first day of spring semester will be accepted but will not qualify the student for departmental honors."

Change Joint Major in Chinese to read: "Courses required for a joint major in Chinese are CS 101, CS 102/WT, CS 102, CS 201, CS 202, CS 301, CS 302 (or equivalent), two of the following--CS 133, CS 216, CS 220, CS 225--and either CS 402 or CS 475 in the senior year."

CS 101 BEGINNING CHINESE. Fall. Students will have active command of more than 750 Chinese characters and more than 1000 compounds by the end of CS 102. Mr. Berninghausen.

CS 102/WT BEGINNING CHINESE. Winter.

CS 102 BEGINNING CHINESE. Spring. Mr. Berninghausen and Staff.

*CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION. Spring. New Course. An introduction through English translation of selected literary, historical and philosophical texts which formed the underpinnings of traditional Chinese culture. Included in this course will be readings drawn from the Book of Odes, (10th to 6th century B.C.), the I Ching, the Confucian classics, Taoist literature, Sima Qian's Records of the Grand Historian, Chinese mythology, The Romance of the Three Kingdoms and Tang Dynasty "chuan qi" (Tales of the Mysterious). No previous exposure to East Asian culture nor any knowledge of Chinese language needed. Ms. Campbell.

CS 201 INTERMEDIATE CHINESE. Fall. Ms. Campbell.

CS 202 INTERMEDIATE CHINESE. Spring. Ms. Campbell.

(CS 216 TRADITIONAL CHINESE FICTION IN TRANSLATION)

CS 220 MODERN CHINESE FICTION IN TRANSLATION. Fall. New Description. A selection of 20th Century novels and short stories from China, Japan and India. Chosen from works of literary merit and historic significance, the readings will include works by Lu Xun, Mao Dun, Lao She and Hwang Chunming. The course format will center upon discussion of each assigned work with prefatory remarks by the instructor. Several written analyses of the literary dimension will be required of the students. (This course is designed for sophomores and freshmen, limited enrollment.) Ms. Campbell.

(CS 225 CLASSICAL CHINESE POETRY IN TRANSLATION). Offered in 1987-88.

CS 260 INTRODUCTION TO LITERARY THEORY AND CRITICISM. Spring.

CS 301 ADVANCED CHINESE (MODERN CHINESE). Fall.

CS 302 ADVANCED CHINESE (MODERN CHINESE). Deleted.

(CS 400 ADVANCED READINGS AND CONVERSATION (MODERN CHINESE))

CS 401 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Fall. Add the following to the course description: "Students are required to take CS 402 to receive credit for CS 401." Mr. Chiang.

CS 402 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Spring.

CS 420 MODERN NARRATIVE AND COMPOSITION (IN CHINESE). Fall. New Course. Designed to further strengthen written and spoken language skills in modern Mandarin beyond the level of CS 302, this course will introduce the students to active use of Chinese at a more advanced level of discourse. Exploring some theme, problematic or author of significance within modern Chinese culture, this course will employ films and videotapes along with prose narratives. Dramatic visual content will facilitate forward progress toward greater competency and range in Chinese syntax, vocabulary and cultural norms. Considerable emphasis will be given to written assignments in relatively formal modern Chinese. Ms. Campbell.

CS 425 SEMINAR ON CONTEMPORARY CULTURE AND LANGUAGE (IN CHINESE). Fall. New Prerequisites. (CS 301 or equivalent.)

CS 475 SENIOR SEMINAR ON CHINESE FICTION (IN CHINESE). Spring.

CS 700 SENIOR THESIS. Fall.

CS 700/WT SENIOR THESIS. Winter.

CLASSICAL STUDIES PROGRAM

Major Program. Under Required for the Major in Classical Studies, Section A., add: *CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME

Under Section B, take out of brackets:
*CL 152 GREEK TRAGEDY
CL 220 GREEK SCIENCE
CL 450 HISTORY OF GREEK LITERATURE
AR 311 ANCIENT ART

Under Section B, bracket the following:
(EL 227 GREEK COMEDY)

Under Section C, take out of brackets:
CL 103 BEGINNING GREEK
CL 204 INTERMEDIATE GREEK
CL 301 LATIN PROSE
CL 302 LATIN POETRY

CLASSICS

Professor: William Harris. Associate Professors: Eve Adler (chairman), Ursula Heibges. Instructors: Diane Legomsky, Robert Schine.

COURSES IN ENGLISH

CL 112 INTRODUCTION TO GREEK CIVILIZATION. Fall. New Title and Description. This course presents in very condensed form many of the major writers and thinkers of ancient Greece, along with lectures designed to fill in the historical, social and intellectual background which the readings require. The course is intended for possible Classics majors, Classics concentrators, although it is open to all students. Mr. Harris.

CL 113 INTRODUCTION TO ROMAN CIVILIZATION. Spring. New Title and Description. This course continues the thread of CL 112 into the world of the Romans; organization and workload are similar. Mr. Harris.

*CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME. Fall. New Title.

*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES. Spring. New Description. From what and for what is liberal education supposed to liberate people? A study of works promoting the claims of poetry, philosophy, rhetoric, theology and natural science to be the "queen of liberal arts and sciences" and thus the key to liberty. Works by Plato, Xenophon, Aristophanes, Cicero, Augustine and Bacon. Ms. Adler.

*CL 150 THE ANCIENT EPIC. Fall.

*CL 152 GREEK TRAGEDY. Spring. New Description. This course will examine the tragedies of Aeschylus, Sophocles, and Euripides. We will look into the origin and development of Greek tragedy, the literary styles and techniques of the playwrights, and their differing conceptions of human nature, virtue, and man's relation to the gods. Ms. Legomsky.

CL 155 GREEK AND ROMAN COMEDY. Deleted.

CL 220 INTRODUCTION TO GREEK SCIENCE. Fall. New Description. This course examines the remarkable scientific achievements of the ancient Greeks, who laid the &&&&dations of medicine, mathematics, astronomy, physics and a host of other disciplines from philology to city-planning. After the instructor's introductory lectures, the members of the class will prepare and present talks on topics of interest and experience. Discussion and criticism will follow. Understanding the scientific spirit of the Greeks is necessary for any grasp of the History of Science. Mr. Harris.

(CL 317 PLATO)

CL 450 HISTORY OF CLASSICAL LITERATURE (IN TRANSLATION). Spring. New Description. Designed for students with background in Greek and Roman literature, history or philosophy. The course will present a comprehensive overview of the major literary, historical and philosophical works of Greece and Rome, and will consist of a weekly seminar/discussion and an independent reading project. Ms. Legomsky.

GREEK

CL 103 BEGINNING GREEK. Fall. New Description. Intensive introduction to the rudiments of Classical Greek, for beginners. The aim of the course is to prepare students to read the major authors of Greek literature. Ms. Legomksy.

CL 204 INTERMEDIATE GREEK. Spring. New Description. A continuation of CL 103. Completes the rudiments of Greek grammar and introduces students to intensive reading selected from Plato, Homer, tragedy. Ms. Adler.

(CL 303 GREEK POETRY: HOMER)

(CL 304 GREEK PROSE)

CL 403 ADVANCED GREEK POETRY. Fall.

CL 404 ADVANCED GREEK PROSE. Spring.

(CL 452 HISTORY OF GREEK LITERATURE)

LATIN

(CL 101 BEGINNING LATIN)

(CL 202 INTERMEDIATE LATIN)

CL 301 LATIN PROSE. Fall. New Description. Selections from Cicero, Livy, Sallust, Tacitus. Ms. Adler.

CL 302 LATIN POETRY. Spring. New Description. Readings selected from Lucretius, Vergil, Catullus, Horace. Staff.

CL 401 READINGS IN LATIN LITERATURE I. Fall.

CL 402 READINGS IN LATIN LITERATURE II. Spring.

HEBREW

CL 105 INTRODUCTION TO BIBLICAL HEBREW. Fall.

CL 206 INTERMEDIATE BIBLICAL HEBREW. Spring.

CL 305 READINGS IN THE HEBREW BIBLE. Fall. New Course. This course stresses achieving mastery of grammar and fluency in reading Biblical prose and poetry. Introduction to use of the critical apparatus (compar-

ison of ancient versions and translations), and questions pertaining to the history of the text. (CL 206 or equivalent.) Mr. Schine.

CL 406 ADVANCED HEBREW STUDIES. Spring. New Course. For students with reading ability in Hebrew, this course concentrates on a different epoch or genre of Hebrew literature each year, such as Talmud or Midrash, medieval poetry, philosophical prose and poetry, or classics of modern Hebrew literature. (CL 305 or equivalent.) Mr. Schine.

SENIOR COURSES
CL 420 SEMINAR IN CLASSICAL LITERATURE. Fall.

CL 700 SENIOR ESSAY FOR CLASSICAL STUDIES MAJORS. Fall, Spring.

CL 701 GENERAL EXAMINATION FOR CLASSICAL STUDIES MAJORS. Spring.

CL 705 SENIOR ESSAY FOR CLASSICS MAJORS. Fall. Spring.

CL 706 GENERAL EXAMINATION FOR CLASSICS MAJORS. Spring.

COMPUTER SCIENCE

In paragraph four, delete MA 225 from the list of Foundations courses.

In paragraph five (Concentrations), replace the final sentence with: These courses include MA 200, MA 310, MA 311, MA 315, MA 318, as well as the following computer science courses: MA 324, MA 326, MA 328, MA 421 and MA 423.

CREATIVE AND EXPOSITORY WRITING

The Courses Offered in Creative Writing. Replace the final two sentences with: A major in the English Department may undertake an Honors project in creative writing in poetry or fiction or a combination of the two, in the senior year.

Bread Loaf Writers' Conference and Bread Loaf School of English: Replace all copy with. Qualified students may apply for scholarships at the Bread Loaf Writers' Conference, the Bread Loaf School of English and the Bread Loaf School in Oxford. Students planning to do senior work in creative writing are encouraged to attend the Writers' Conference for two weeks in August after their junior year.

PROGRAM IN EAST ASIAN STUDIES

Participating Faculty: John Berninghausen, chairman (Chinese Language and Literature), Ellen Basu (Sociology-Anthropology), Gregory Chiang (Chinese Language and Literature), Catherine Campbell (Chinese Language and Literature), Linda Keenan (Japanese Language and Literature), Hiroshi Miyaji (East Asian Languages and Culture), Kirsten Powell (Art), David Rosenberg (Political Science), Don Wyatt (History).

Under Requirements for the East Asian Studies Major, replace the second sentence with: Course work in spoken and written Chinese and Japanese may be taken at Middlebury during the regular academic year, in the Middlebury summer intensive program, and with the approval of the Chinese or Japanese department chairman, some language study at the level of CS 302 or JA 302 or above may be taken at certain language training programs or centers in Japan, Taiwan, the People's Republic of China, Hongkong or Singapore (See Alternative B).

Delete the second sentence of the second paragraph under Requirements for the East Asian Studies Major.

Delete the * paragraph relating to Japanese courses, as Japanese will be offered in 1986-87.

Delete from the MASTER LIST:

CS 425 SEMINAR IN CHINESE CULTURE AND CIVILIZATION
GG 330 SOUTH AND EAST ASIA
PS 330 SEMINAR IN U.S.-ASIAN RELATIONS

Add to the MASTER LIST:

CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION
CS 420 MODERN NARRATIVE AND COMPOSITION
GG 221 SOUTH AND EAST ASIA
HI 332 MODERN CHINA
HI 336 MODERN JAPAN
PS 430 SEMINAR IN U.S.- ASIAN RELATIONS
RE 212 CHINESE RELIGION
RE 340 EARLY TAOISM

Under ALTERNATIVE A:

Add to the Japanese list:
HI 336 MODERN JAPAN

Add to the Chinese list:
HI 332 MODERN CHINA
HI 333 CHINESE INTELLECTUAL HISTORY

Add to the final list:
CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION
RE 212 CHINESE RELIGION
RE 340 EARLY TAOISM

Replace the first paragraph of Section II with: A total of six regular semester courses in Chinese or Japanese language instruction plus one winter term course between CS or JA 101 and CS or JA 102 normally will be required of the East Asian Studies major.

After CHINESE LANGUAGE COURSES, ADD:

JAPANESE LANGUAGE COURSES
JA 101-102 BEGINNING JAPANESE. Fall, Winter, Spring.
JA 201-202 INTERMEDIATE JAPANESE. Fall, Spring.
JA 301-302 ADVANCED JAPANESE. Fall, Spring.
JA 401-402 ADVANCED READINGS IN JAPANESE. Fall, Spring.

EA 700 SENIOR THESIS. Fall.

EA 700/WT SENIOR THESIS. Winter.

Under ALTERNATIVE B:

Add to the Japanese list:
HI 336 MODERN JAPAN

To the Social Sciences List:
Add:
HI 332 MODERN CHINA
HI 333 CHINESE INTELLECTUAL HISTORY
PS 430 SEMINAR IN U.S.-ASIAN RELATIONS

Change:
GG 330 SOUTH AND EAST ASIA to GG 321 SOUTH AND EAST ASIA (Same Title/New Number)

Replace the first paragraph of Section II with: The East Asian major who has chosen alternative B will complete a total of five regular credits plus one winter term credit in the Chinese or Japanese language training program (listed below) preparatory to direct cultural experience and intensive language training in an approved structured program in Japan, Taiwan, Singapore, Hongkong, or the People's Republic of China. The overseas language and cultural course work should earn either 4 or 5 credits depending upon whether the student goes for a single regular term or a regular term and a winter term. It is possible to earn 9 credits for three quarters of successful advanced language study completed at the Inter-University Program for Chinese Language Studies in Taipei, Taiwan, or the Inter-University Program for Japanese Language Studies in Tokyo. Overseas study for Middlebury credit is usually restricted to the junior year, but exceptions are sometimes made for seniors.

After CHINESE LANGUAGE COURSES, add:

JAPANESE LANGUAGE COURSES
JA 101-102 BEGINNING JAPANESE. Fall, Winter, Spring.
JA 201-202 INTERMEDIATE JAPANESE. Fall, Spring.
JA 301-302 ADVANCED JAPANESE. Fall, Spring.
JA 401-402 ADVANCED READINGS IN JAPANESE. Fall, Spring.

EA 500 INDEPENDENT STUDY. Fall, Spring.

EA 700 SENIOR THESIS. Fall.

EA 700/WT SENIOR THESIS. Winter.

ECONOMICS

Professors: Michael Claudon (chairman), Richard Cornwall, David Smith. Associate Professor: Paul Sommers. Assistant Professors: Paul Albanese, David Audretsch (on leave). Christian A. Johnson Distinguished Professor: David C. Colander. Instructor: Stephen Smith. Visiting Instructors: Sheldon Sax, Phanindra Wunnava.

Under I. THE MAJOR, add under Elective Sequence: Students majoring in economics cannot count all three of the courses EC 340, 440 and EC 445 towards the minimum of 10 required economics courses.

Under III. POST-GRADUATE PREPARATION, replace paragraph three with: We recommend EC 315 for students applying to law school, since it offers useful preparation for the practice of law.

EC 100 BASIC ELEMENTS OF THE AMERICAN ECONOMY. Fall.

EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.

EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.

EC 210 ECONOMIC STATISTICS. Fall.

EC 211 ECONOMIC STATISTICS: INTRODUCTION TO REGRESSION ANALYSIS. Spring. New Description. In this course regression analysis is introduced. The major focus is on quantifying relationships, between economic variables. Multiple regression enables identifying the effect of several exogenous variables on an endogenous variable. After exploring the classical regression model fundamental assumptions underlying this model will be relaxed and further new techniques will be introduced. Methods for testing hypotheses about the regression coefficients are developed throughout the course. Both theoretical principles and practical applications will be emphasized. The course goal is for each student to competently employ regression analysis as a research tool and to justify and defend the techniques used. (EC 150, EC 155 and EC 210.) Mr. Wunnava.

EC 230 THE SOVIET ECONOMY. Fall. New Course. This course looks at the origins and evolution of the Soviet economic system. The central planning mechanism (known as material balances) for allocating resources and the recurrent movements to reform the economy are examined as well as selected issues such as distribution of income, equality of women and quality of the environment. (Some background in economics is helpful.) Staff.

(EC 300 CURRENT PROBLEMS IN ECONOMIC POLICY)

EC 310 ECONOMICS OF INVESTING IN SECURITIES. Fall. New Prerequisites. (EC 150, EC 155, EC 315 or permission.)

EC 311 APPLIED ECONOMETRICS. Fall. New Course. This course is designed to further students' understanding of parameter estimation, inference and hypothesis testing for single and multiple equation systems. Emphasis will be placed on specification, estimation, and testing of micro/macro econometric models and using such models for policy analysis and forecasting. Large cross-sectional as well as panel data sets will be used

for estimation purposes. (EC 150, EC 155, EC 210 & EC 211.) Mr. Wunnava.

EC 315 ACCOUNTING. Fall, Spring.

EC 320 THE CORPORATION. Spring.

EC 325 AGRICULTURE AND INDUSTRY IN ECONOMIC DEVELOPMENT. Fall. New Course. This course will consider economic change in the world's poor regions, with a focus on the problems of -- and institutions which influence -- agricultural and industrial development. Includes consideration of income distribution, employment, and trade. Emphasis on Asian nations and contemporary policy issues. (EC 150 and EC 155.) Mr. S. Smith.

EC 330 COMPARATIVE ECONOMIC SYSTEMS. Fall. New Course. A comparative analysis of market-guided (including socialist), centrally-planned and mixed economic systems. The course will look at how the various economic systems in Europe and Asia address problems of economic management, planning, coordination, development and equality. (EC 150 and EC 155.) Staff.

(EC 337 THE POLITICAL ECONOMY OF CAPITALISM). New Course. Bracketed in 1986-87. Since 1500, the social process of capitalism has spread from a few isolated areas in Europe to embrace major portions of all continents. What is the relation between capitalism and the origin of the factory system, the hierarchical organization of work, the development of new technologies, the creation and destruction of social classes and the evolution of social systems of legitimacy and of oppression? We shall explore the writings of Marx, Keynes and Schumpeter and their associated schools of radical, liberal and conservative analyses of how well the "free enterprise" system works. (EC 155 or EC 150.) (Offered in alternate years.) Mr. Cornwall.

EC 340 INTERNATIONAL ECONOMICS: A POLICY APPROACH. Spring. New Course. This course examines both international commodity trade and international finance. After learning the fundamentals of international trade theory and the macroeconomics of open economies, students will take up policy issues such as open vs. protected international trade, international exchange rate policies, international consequences of national macroeconomic policies, and those related to trade among countries at different levels of economic development. (EC 150 and 155.) Mr. Claudon.

EC 345 EUROPEAN ECONOMIC HISTORY. Fall.

EC 350 MACROECONOMIC THEORY. Fall.

EC 355 MICROECONOMIC THEORY. Spring. Mr. Cornwall.

EC 365 ENVIRONMENTAL ECONOMICS. Fall.

(EC 385 LABOR ECONOMICS)

(EC 394 THE ECONOMICS OF NATURAL RESOURCE MANAGEMENT)

EC 405 PSYCHOLOGICAL FOUNDATIONS OF ECONOMIC BEHAVIOR. Fall. New Description. Explores the relationship between economics and psychology using interpersonal and psychoanalytic theories of the personality. The objectives are to broaden the behavioral basis of economic analysis and to expand the limits of applicability of economic theory. Applications will begin with an explanation of variations in patterns of consumer behavior, proceed to an investigation of the effect of an executive's personality on the functioning of an organization, and end with an examination of entrepreneurial activity. An ultimate objective of this course is to transcend the individual orientation of economic theory to a broader social basis. (EC 355 or permission.) Mr. Albanese.

(EC 410 ECONOMETRICS)

EC 420 ECONOMIC DEVELOPMENT AND POPULATION CHANGE. Spring. New Prerequisites. (EC 355 or permission.)

(EC 430 INEQUALITY AND POVERTY)

EC 440 INTERNATIONAL TRADE. Fall. New Description. A study of the causes of trade between nations, and its consequences for economic well-being and the allocation of resources. Trade policies in advanced and poor countries will be analyzed, as well as the interrelationship between trade and economic growth. (EC 355.) Mr. S. Smith.

EC 445 INTERNATIONAL FINANCE. Spring. New Description. An analysis of the world's financial system and the consequences for open economies of macroeconomic interdependence. Particular topics include exchange rate determination, balance of payments adjustments, and monetary and fiscal policies in open economies. Special attention is paid to the strategies and problems associated with financial liberalization and debt in developing countries. (EC 350.) Mr. S. Smith.

EC 450 HISTORY OF ECONOMIC THOUGHT. Fall. New Description. This course offers an historical and analytical perspective on the social innovation of the conceptual frameworks we use to understand wealth and scarcity. We look at who invented economic ideas, what might have stimulated this invention and what the role is of ideology in the development of economic theories. (EC 350 and EC 355.) Mr. Cornwall.

EC 455 INDUSTRIAL STRATEGIES. Spring. New Description. An analysis of industrial decision-making within a framework involving the decision sciences and microeconomic theory. The course will apply microeconomic optimization techniques, regression analysis, and forecasting techniques to managerial decisions aimed at achieving a firm's established goals. (EC 210 and EC 355 or permission.) Mr. Claudon.

EC 465 PUBLIC POLICY TOWARD BUSINESS)

EC 470 PUBLIC FINANCE. Fall. New Description. An analysis of the effects of government expenditure and taxation on economic efficiency. Topics include the efficiency in providing public services; externalities; cost-benefit analysis; and alternative modes of income redistribution including current welfare programs, consumption subsidies, and negative tax plans. (EC 355 or permission.) Mr. Sax.

EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS. Spring. Staff.

(EC 498 SEMINAR IN ECONOMIC ISSUES). New Course. Bracketed in 1986-87.

EC 500 INDIVIDUAL SPECIAL PROJECTS. Fall, Spring.

EC 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

EC 800 SENIOR RESEARCH FOR HONORS. Fall, Spring.

ENGLISH

Professors: Paul Cubeta (on leave), Robert Hill, David Littlefield (on leave winter and spring terms), Edward Martin (chairman), Robert Pack, Henry Prickitt. Associate Professors: John Bertolini (on leave fall and winter terms), John Elder, Gary Margolis (part-time), Elizabeth Napier, Jay Parini, David Price (on leave winter and spring terms). Assistant Professor: Ray Carney. Visiting Associate Professor: Sydney Lea. Visiting Instructor: Virginia Jackson.

FRESHMAN WRITING COURSES

EL 101 NARRATIVE FICTION. Fall, Spring. Staff.

EL 103 LYRIC AND NARRATIVE POETRY. Fall, Spring. Mr. Littlefield, Mr. Lea.

(EL 104 DRAMA: CLASSICS AND COMMERCIALS)

EL 105 DRAMA. Spring.

EL 107 JOURNAL AND ESSAY. Spring. Mr. Elder.

EL 160 THE STRUCTURE OF NON-FICTION. Fall. New Description. Students will write for each class. Discussion will center unanimously on selections from these performances. A rigorous exercise involving a composition of over 20 papers, this course should be considered only by those students dedicated to improving their creative, analytical writing. No texts. Limited to 15 students. (Permission. See above.) Mr. Hill.

EL 170 THE STRUCTURE OF FICTION. Fall. Mr. Martin.

EL 175 THE STRUCTURE OF POETRY. Winter, Spring. Mr. Margolis, Mr. Parini.

LITERATURE

(*EL 110 CONTINENTAL FICTION)

(*EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN)

(*EL 112 MYTHOLOGIES, TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY)

*EL/AL 113 VISIONS OF NATURE. Spring.

EL 201 INTERPRETATION OF LITERATURE: CHAUCER, SHAKESPEARE, MILTON. Fall, Spring.

EL 202 INTERPRETATION OF LITERATURE: MAJOR POETS FROM THE EIGHTEENTH TO THE TWENTIETH CENTURY. Fall, Spring.

EL 206 EARLY ENGLISH NOVEL (II). Spring.

EL 207 NINETEENTH CENTURY ENGLISH NOVEL (III). Fall, Spring. Mr. Hill, Mr. Parini.

EL 208 TWENTIETH CENTURY ENGLISH NOVEL (IV). Fall, Spring. New Description. This course will focus on the great novelists of the first quarter of the 20th century: Conrad, Joyce, Lawrence, Forster, and Woolf. We will study the various ways in which each of these novelists sought to engage both the general problems of human life and experience and those particular aspects of life and experience thrust on us all by the unsettling conditions of the modern period, and how their differing experiments in form, structure, and style led to a richly complex expression of their doubts, fears, hopes and beliefs. Mr. Price (Fall).

We will be concerned with the ethics of reading fiction in the modern period. The course will be divided into three foci: Reading for the Plot, Feminist Reading, and the Reader in the Novel. Authors studied will include James, Conrad, Joyce, Lawrence, Forster, and Woolf. Ms. Jackson (Spring).

EL 211 CLASSICS OF LITERATURE: THE ANCIENT EPIC. Deleted.

EL 213 ENGLISH ROMANTICISM (III). Fall. Ms. Jackson.

EL 224 MEDIEVAL AND RENAISSANCE DRAMA (I). Spring. Staff.

(EL 227 GREEK COMEDY)

(EL 229 MODERN BRITISH DRAMA (IV))

(EL 301 CHAUCER (I))

(EL 302 MEDIEVAL LITERATURE (I))

EL 303 ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (I). Fall. Mr. Littlefield.

EL 304 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (II). Spring. Staff.

EL 305 EIGHTEENTH CENTURY POETRY AND PROSE (II). Fall. New Description. Close readings in the poetry and prose of the 18th century, with special emphasis on the works of Swift, Pope, and Johnson. Particular attention

will be paid to shifts in poetic convention and style in the period. Mrs. Napier.

(EL/AL 309 CONTEMPORARY LITERATURE (IV))

EL/AL 312 MODERN POETRY (IV). Fall. Mr. Parini.

EL 314 VICTORIAN POETRY (III). Spring.

EL 321 SHAKESPEARE (WS). Fall, Spring. Mr. Elder, Mr. Bertolini.

SEMINARS

LS 705 LITERARY STUDIES COLLOQUIUM. Fall. Ms. Jackson.

EL 401 SEMINAR: JOHN MILTON. Deleted.

EL 402 SEMINAR: D.H. LAWRENCE. Fall. New Title and Description. A study of selected short stories, poems, critical essays, travel literature, a few novellas, and the major works of fiction, including Sons and Lovers, The Rainbow, and Women in Love. Mr. Price.

EL 403 SEMINAR: ALFRED HITCHCOCK. Spring. New Title and Description. The cinematic artistry of Alfred Hitchcock in a dozen of his major films (mainly from the 1950's, including North by Northwest, Psycho, Rear Window, The Trouble with Harry, Vertigo) with attention to Hitchcock's style and technique, his obsessive images (such as dangling over the abyss), and his characteristic themes (the transfer of guilt, the double, etc.), and with a focus on the figure of the artist in Hitchcock's work. This course will satisfy the seminar requirement for the Drama field. Mr. Bertolini.

EL 404 SEMINAR: ORIGINS. Fall. New Course. We will consider texts and myths which attempt to account for the existence of human beings on earth. We will focus on works by Wordsworth (the "Intimations" Ode, "Tintern Abbey," and The Prelude), Darwin (excerpts from Origin of Species and The Descent of Man), and Freud (Introductory Lectures, Civilization and Its Discontents, and Beyond the Pleasure Principle). The creation stories in Genesis and in Milton's Paradise Lost, Tennyson's In Memoriam, and contemporary scientific versions of evolution and the "big bang," as formulated by Stephen Jay Gould and Heinz Pagels, will also be studied. Up to 18 students may enroll. Mr. Elder, Mr. Pack.

EL 405 SEMINAR: THE NOVEL AND THE NARRATIVE TRADITION OF ROMANCE. Deleted.

EL 421 SEMINAR: SHAKESPEARE (WS). Spring. New Description. In this course we will examine closely the diction, images and psychological patterns in Hamlet Othello, Macbeth, King Lear, Antony and Cleopatra and The Tempest. Special attention will be given to the themes of accountability and forgiveness. This seminar satisfies the Shakespeare requirement for English majors. Not open to those who have taken EL 321. Mr. Pack.

WRITING

(TH 218 INTERMEDIATE WORKSHOP: PLAYWRITING I)

(EL 260 INTERMEDIATE WORKSHOP: NONFICTION)

EL 270 INTERMEDIATE WORKSHOP: FICTION. Fall, Spring. Mr. Lea, Mr. Martin.

EL 275 INTERMEDIATE WORKSHOP: POETRY. Spring. Mr. Lea.

(TH 228 ADVANCED WRITING: PLAYWRITING II)

EL 460 ADVANCED WRITING. Fall, Spring. New Description. Advanced workshop in poetry and prose primarily for students planning to do a senior essay or honors thesis in creative writing. (Two writing courses and permission.) Mr. Parini, Mr. Pack.

SPECIAL PROJECTS

EL 500, 520, 560 SPECIAL PROJECTS. Fall or Spring.

SENIOR PROGRAM
EL 700 SENIOR ESSAY. Fall, Spring.

EL 705 GENERAL EXAMINATION. Winter.

EL 710 HONORS THESIS. Fall, Spring.

THE PROGRAM IN ENVIRONMENTAL STUDIES

No change.

FRENCH

Professors: Simon Barenbaum, Edward Knox, Nancy O'Connor (at Middlebury in Paris) Carol Rifelj. Assistant Professors: Mireille Barbaud-McWilliams (on leave), Bethany Ladimer, Roddey Reid. Visiting Assistant Professor: Beatrice Ness. Visiting Lecturer: Philippe France. Visiting Instructor: Stephanie Montgomery. Lecturer: Huguette Knox.

Under The School in France, in paragraph two, note that students must have taken at least one course beyond FR 205 before going to Paris (rather than at the time they apply for admission).

FR 101 INTENSIVE BEGINNING FRENCH. Winter.

FR 102 BEGINNING FRENCH. Spring.

FR 201 INTERMEDIATE FRENCH. Fall.

FR 202 INTERMEDIATE FRENCH. Fall, Spring. Ms. Montgomery, Ms. Rifelj.

PREREQUISITES TO THE MAJOR
FR 205 TOWARD LIBERATED EXPRESSION. Fall, Spring.

FR 206 INTRODUCTION TO CONTEMPORARY FRANCE. Fall, Spring. Mr. Reid, Ms. Knox.

FR 207 INTRODUCTION TO FRENCH POETRY. Fall. Ms. Ness.

FR 208 INTRODUCTION TO FRENCH THEATRE. Fall, Spring.

FR 209 INTRODUCTION TO FRENCH PROSE. Fall, Spring.

LANGUAGE, LITERATURE AND CIVILIZATION
(FR 112 HUMANISTS AND HEROES)

(*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST)

*FR 120 WOMEN WRITERS IN FRANCE. Spring. New Course. This course will focus on women as seen by major women writers in France over 300 years. We shall seek to understand the evolving portrait of woman, including her place in society, her relationships with men, the family and the world of work outside the home. We will look at explicit and implicit statements about traditional female roles as well as reflections on the need for change. We shall finally explore relationships between this subject matter and the literary and semantic strategies adopted by the authors. Texts by Sand, Colette, Beauvoir and others. Ms. Ladimer.

FR 215 IMPROVING WRITING IN FRENCH. Spring.

FR 222 FACETS OF A CHANGING FRANCE. Spring.

(FR 305 ADVANCED PRACTICE IN WRITTEN FRENCH)

FR 309 RENAISSANCES IN SIXTEENTH CENTURY LITERATURE. Spring. New Course. This course will be devoted to the study of 16th century literature in France. Generally defined as the "siecle de la Renaissance", the 16th century is in fact one of many "renaissances", which explains our plural forms in the title. We shall therefore consider how man, knowledge, writing and all aspects of the literary experience are affected by

this powerful movement of renewal. Texts by Rabelais, Ronsard, DuBellay, Montaigne. Mr. France.

(FR 310 LITERATURE AND SOCIETY IN THE ANCIEN REGIME)

(FR 311 VOLTAIRE, DIDEROT AND THE FRENCH ENLIGHTENMENT)

FR 312 THE EIGHTEENTH CENTURY NOVEL AND THE IMAGE OF WOMEN. Spring. Ms. Rifelj.

(FR 313 TOPICS AND PROBLEMS IN CONTEMPORARY FRENCH CIVILIZATION). See FR 704.

FR 315 THE NINETEENTH CENTURY NOVEL. Fall. Mr. Reid.

FR 316 NINETEENTH CENTURY POETRY. Spring. Ms. Rifelj.

FR 317 TWENTIETH CENTURY DRAMA: L'ACTE ET LA PAROLE. Spring.

FR 318 TWENTIETH CENTURY POETRY. Deleted.

FR 320 THE TWENTIETH CENTURY NOVEL. Fall. New Description. A consideration of characteristic themes in the 20th century novel (space, time the role of human endeavor, etc). We will also investigate the mission and responsibility of the modern writer and the possible answers to such questions as: Why does one write? For whom? Authors will include Proust, Breton, Sartre, Camus, Butor. Ms. Ladimer.

FR 321 FROM THE BAROQUE TO THE CLASSICAL STAGE. Fall.

(FR 324 CULTURE AND IDENTITY IN FRANCOPHONE LITERATURE)

(FR 442 WORKSHOP IN FRENCH RADIO)

FR 500 INDEPENDENT PROJECTS. Fall, Spring.

FR 700 SENIOR RESEARCH. Fall, Winter, Spring.

FR 704 SENIOR SEMINAR: TOPICS AND PROBLEMS IN CONTEMPORARY FRENCH CIVILIZATION. Fall. New Title and Description. The course will focus this year on a recent epoch of French history which has become a central though perhaps unacknowledged symbolic point of reference in French political, cultural and economic discourse today: the 60's. A period of marked social change and upheaval, its legacy is still felt in the 1980's. The course will explore in detail such topics as decolonization, the rise of consumer society, the student movement, "mai 68," and the new aesthetics in film and the novel with a view towards giving students a sophisticated understanding of both the realities and myths associated with this period. (FR 222 or equivalent in France.) Mr. Reid.

GEOGRAPHY

Associate Professor: Robert Churchill (chairman). Assistant Professors: Ron Liebowitz (on leave fall and winter terms), Tamar Mayer.

INTRODUCTORY COURSE
*GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring. Ms. Mayer (Fall), Mr. Liebowitz (Spring).

CORE COURSE
GG 250 PHYSICAL EARTH PROCESSES. Fall.

GG 310 QUANTITATIVE METHODS IN GEOGRAPHY. Fall. New Title. Staff.

GG 320 CARTOGRAPHY AND GRAPHICS. Spring.

GG 330 RESEARCH METHODS IN GEOGRAPHY. Spring. Staff.

GG 411 SEMINAR IN ECONOMIC GEOGRAPHY. Fall. Staff.

GG 412 SEMINAR IN URBAN GEOGRAPHY. Spring. New Description. The topic of the seminar in urban geography this term will be women and the city.

Cities are cultural creations. They reflect and reinforce the ideology of the society that created them. By investigating the city, it is possible to understand societal assumptions and attitudes about race, class, and gender. In the seminar we will explore these assumptions with respect to women. We will examine, through spatial temporal distribution, access to facilities, the retail structure and the housing market, the "appropriate" behavior for women. Questions of work, transportation; urban design and policy making will also be explored. Ms. Mayer.

(GG 415 SEMINAR IN POLITICAL GEOGRAPHY)

(GG 422 SEMINAR IN SOVIET GEOGRAPHY) Formerly GG 455.

GG 450 SEMINAR IN PHYSICAL GEOGRAPHY. Fall.

GG 455 SEMINAR IN SOVIET GEOGRAPHY. Changed to GG 422, above.

NON-CORE COURSES

GG 210 THE GEOGRAPHY OF DEVELOPMENT. Spring. Staff.

GG 211 ECONOMIC GEOGRAPHY. Spring. New Description. An examination of the character, evolution and distribution of economic activity, stressing the determinants of locational behavior associated with agricultural, commercial and industrial activities. Regional economies from both the more and less developed worlds will be selected for spatial analysis. Staff.

GG 212 URBAN GEOGRAPHY: PATTERNS, PROBLEMS AND POLICIES. Fall. New Description. Geographical analysis of urbanism and urbanization including the structure and mechanics of the urban space-economy. Particular attention is placed on significant problems of cities in both the developed and underdeveloped worlds and on policies for addressing these problems. 2 hrs. lect., 1 hr. disc. Ms. Mayer.

GG 213 POPULATION GEOGRAPHY. Fall. Staff.

GG 215 POLITICAL GEOGRAPHY. Fall. Staff.

(GG 220 MIDDLE EAST AND NORTH AFRICA)

(GG 221 SOUTH AND EAST ASIA)

GG 222 CONTEMPORARY GEOGRAPHY OF THE SOVIET UNION. Spring.

GG 230 SOCIAL ASPECTS OF ENVIRONMENTAL CONSERVATION. Spring. New Course. This course examines the development of environmental conservation in the U.S. and in lower developing countries (LDC's). The course is divided into three parts: the first part deals with historical approaches and cultural responsiveness to the environment, the perception of wilderness and the history of the conservation movement. The second part deals with specific issues including National Parks, Forests, water, energy, acid rain and toxic waste. The final part of the course focuses on environmental conservation in LDC's. Issues of war and the environment, development and underdevelopment and population resources are covered. Lecture and discussion. Ms. Mayer.

GL 252 GEOMORPHIC PROCESSES. Spring.

(GL 253 NATURAL HAZARDS)

GG 254 WEATHER AND CLIMATE. Fall. Mr. Churchill.

GG 500 RESEARCH IN GEOGRAPHY. Fall, Spring.

GG 700 SENIOR RESEARCH. Fall, Winter, Spring.

GEOLOGY

Professor: Brewster Baldwin. Assistant Professors: Raymond Coish (chairman), Peter Goreau (on leave), Lucy Harding. Instructor: J. Murray Journeay.

Major Program. Replace the final three paragraphs with the following:

The program for a geology major shall consist of 11 courses within the department. These must include a 400-level course and 2 units of senior research-thesis, and may include no more than 2 courses at the introductory level. Interdisciplinary concentration is encouraged, and a maximum of 3 nonintroductory level courses in cognate sciences may be counted toward the 11-course requirement for the major.

Students planning to major in geology are required to complete four courses, (not all in one department) in the cognate sciences of biology, chemistry, mathematics and computer science, and physics. Graduate schools require additional cognates. Students should consult with their advisers for selection of specific courses.

Departmental honors in Geology are given only for outstanding contributions in original research, and are in no way related to grades in courses, etc., except within the guidelines of the College Handbook.

GL 112 ENVIRONMENTAL GEOLOGY. Spring. New Description. Analysis of examples that show geologic constraints of man's activities. Emphasis is on water supply, ground-water hydrology, and water law. Other examples examine landslides, earthquake prediction, oil-field blowouts, and non-renewable mineral resources. Some examine human responses, as individuals, social groups, and governmental agencies. Laboratory: use of topographic and geologic maps for environmental planning; field mapping of local environmental problems. 3 hrs. lect., 3 hrs. lab. Ms. Harding.

*GL 152 GEOLOGIC TIME. Spring. New Course. The geologic record provides a sense of time that goes far beyond human experience. We know of landslides and other catastrophic events. Yet, ocean basins open at the rate a fingernail grows; other geologic processes are even slower. How has order been made from the rocks formed during eons of geologic time? How fast are mountains formed -- and then eroded? How do we date rocks in order to answer these questions? What changes have there been in our growing comprehension of the geologic record? Laboratory: study of invertebrate fossils; problems in analysis of the sedimentary record through time; field problems. 3 hrs. lect., 3 hrs. lab. Mr. Journeay.

GL 161 ELEMENTS OF OCEANOGRAPHY. Fall. Staff.

*GL 170 GLOBAL TECTONICS. Fall. Mr. Coish.

GL 201 BEDROCK GEOLOGY OF VERMONT. Fall. Ms. Harding.

GL 202 MINERALOGY. Changed to GG 211, below.

GL 211 MINERALOGY. Formerly GG 202. Fall. Mr. Coish.

GL 252 GEOMORPHIC PROCESSES. Spring.

GL 292 PLANETARY GEOLOGY. Deleted.

GL 321 SEDIMENTARY ROCKS. Formerly GL 361. Fall. New Course. An overview of the tools used in determining plate tectonic setting of sedimentary rocks. Lectures cover depositional systems and facies relationships, stratigraphic principles, origin of sedimentary structures and textures. Labs include methods in sedimentary basin analysis, sedimentary petrology, and fossils. 3 hrs. lect., 3 hrs. lab. (One geology course.) Ms. Harding.

GL 332 METAMORPHIC PETROLOGY. Spring. New Course. An analysis of metamorphism based upon the mineralogy, mineral assemblages, and textures of metamorphic rocks. Discussions will characterize the progressive metamorphism of sedimentary and igneous rocks. Emphasis will be placed on the interpretation of metamorphic processes in terms of tectonic environment. The use of metamorphic histories to understand tectonic events will also be discussed. 3 hrs. lect., 3 hrs. lab. (GL 211.) Mr. Journeay.

GL 342 MARINE GEOLOGY. Spring. Staff.

GL 351 PETROLOGY I. Deleted.

GL 352 PETROLOGY II. Deleted.

GL 361 SEDIMENTARY ROCKS. Deleted. See GL 321.

GL 381 STRUCTURAL GEOLOGY. Fall. New Course. The behavior of earth materials in a dynamic earth. Geometric and kinematic analysis of deformed rocks. Regional tectonic setting of earth structures. Laboratory: detailed mapping and interpretation of complex structures in selected field locations: quantitative analysis and interpretations of deformation as seen on maps and aerial photographs: stereographic analysis of complex fabrics from varied local field areas. 3 hrs. lect., 3 hrs. lab. (A geology course or permission.) Mr. Journeay.

GL 382 GEOPHYSICS. Formerly GL 482. Spring. Staff.

GL 401-404 SEMINARS

These seminars provide experience at an advanced level in such areas as field techniques, laboratory techniques, geologic literature, and geologic writing. Each course meets once a week and focuses on some aspect of geologic research. A research seminar is required of all geology majors in their junior or senior year. The seminars are open to others by permission.

GL 401 STRATIGRAPHY AND TECTONICS. Fall. New Course. A seminar focusing on petrologic, field, and literature study of sediments and structures of the Champlain Valley area. Topics include depositional environments of Cambro-Ordovician carbonate platform, timing and significance of the Champlain Thrust, evolution of the Green Mountain Front, the Taconic Orogeny, and the buoyancy of the Adirondack Mountains. (Permission.) Ms. Harding.

GL 402 GEOCHEMISTRY. Spring. New Course. An advanced course in the use of elemental analysis to interpret the origin of rocks. Literature survey of current geologic problems in geochemistry. Instruction in analytical techniques. (Permission.) Mr. Coish.

GL 403 MOUNTAIN SYSTEMS--STRUCTURAL AND THERMAL EVOLUTION. Fall. New Course. A seminar/field research course which focuses on the internal geometries, mechanics, kinematics and thermal histories of mountain systems. Emphasis will be on current problems related to the origin of the Adirondack and Green Mountains. (Permission.) Mr. Journeay.

GL 404 MODERN PROCESSES. Fall. New Course. The present as a key to the past, and the past as a key to the present. An advanced seminar on modern processes and the nature of change in the geological environment. Work includes field, laboratory, and library research. (Permission.) Staff.

GL 462 REGIONAL GEOLOGY. Deleted.

GL 482 GEOPHYSICS. Changed to GL 382, above.

GL 500 READINGS AND RESEARCH. Fall, Spring.

GL 700 SENIOR RESEARCH. New Description. A two-unit senior program dedicated to original research in geological science resulting in a written thesis which must be orally defended. Staff.

GL 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

GERMAN

Professors: Thomas Huber (chairman), Kimberly Sparks (at Middlebury in Mainz), Van Horn Vail. Visiting Assistant Professor: Mary Brodnax. Lecturer: Constance Kenna. Assistant: Maria Stein.

GN 101 ELEMENTARY GERMAN. Fall.

GN 102 ELEMENTARY GERMAN. Spring.

GN 201 INTERMEDIATE GERMAN. Fall.

GN 202 ADVANCED GERMAN. Spring.

GN 303 STYLISTICS. Fall.

GN 305 THE GERMAN NOVELLE I. Deleted.

(GN 306 THE GERMAN NOVELLE II)

(GN 307 THE GERMAN NOVELLE III)

(GN 310 GERMAN IN ITS CULTURAL CONTEXTS)

(GN 315 GERMAN DRAMA)

(GN 321 BUSINESS GERMAN AND GERMAN BUSINESS)

GN 325 MODERN GERMAN POLITICS: THE CRISIS OF '82 AND THE ELECTIONS OF '83. Deleted.

(GN 401 EMERGENCE OF GERMAN AS A LITERARY LANGUAGE)

(GN 402 ESTABLISHMENT OF GERMAN AS A LITERARY LANGUAGE)

GN 406 ROMANTICISM. Fall.

GN 410 GERMAN LYRIC POETRY. Fall. New Description. Students will analyze an anthology of German poetry from the age of Goethe to the present time. Emphasis will be placed on the interaction of form and content, the role of imagery and recurring themes. Students will write 3 critical papers on selected texts, one of these papers will deal with a theoretical issue. Mr. Huber.

(GN 414 MODERN GERMAN HISTORICAL FICTION)

(GN 418 THEODOR FONTANE: STORIES OF LOVE AND SOCIETY)

GN 420 TOPICS IN GERMAN CINEMA: THE BIRTH OF THE GERMAN CINEMA. Fall. New Course. While developing a German film vocabulary, students will learn and apply techniques of film analysis by studying the German cinema. Using film history as a framework, the course will emphasize the reception of the cinema in Germany as an art and a cultural institution. Selected film theory topics will be included. Screenings, lectures, readings, oral reports, short essays, and one longer paper--in German. Films included for Fall 1986: Das Kabinett des Dr. Caligari; Nosferatu; Dr. Mabuse, der Spieler; Metropolis. Ms. Brodnax.

(GN 421 MODERN GERMAN DRAMA)

(GN 430 VIENNA--CULTURE AND LITERATURE (SENIOR SEMINAR))

(GN 431 BERLIN--CULTURE AND LITERATURE)

GN 500 INDEPENDENT STUDY

GN 800 HONORS PROJECT

HISTORY

Professors: Travis Jacobs (chairman), Nicholas Clifford (on leave), Marjorie Lamberti, John Spencer (on leave, fall and winter), Pardon Tillinghast. Associate Professors: David Macey, John McCardell (Dean of Academic Planning and Development). Assistant Professors: Barbara Bellows, Stephen Homick (Dana Faculty Fellow). Visiting Assistant Professors: Richard Allen, Susan Gray, Paul Monod, Don Wyatt.

Major Program. Replace paragraph three with:

The History major combines an introduction to several areas of historical knowledge with intensive training and practical work in historical research. The department does not require a common core of knowledge which students are expected to have before they graduate; it does believe, however, that a knowledge of different areas is necessary.

Each major must take before graduation at least one course in each of the following four groups: 1) HI 103 or 104; 2) HI 203; 3) a course in European history (including Russia); 4) a course in the history of Asia, Africa, or Latin America. At least one course offered towards the major must cover a period before 1800. Normally in the junior year the student will take a reading course and a research seminar, both at the HI 400 level; students going abroad may postpone the reading course but not the research seminar until senior year.

Replace the copy under Required for all History Majors with:

At least twelve courses (winter term senior thesis study will be counted, and one other winter term History course may be counted) including: courses in the four groups, at least one course from the period before 1800, a reading course, a research seminar and a two-semester senior thesis. Students planning to spend all or part of the junior year abroad should consult with the department before the second semester of the sophomore year...With the permission of the department, up to two cognate courses in historical aspects of other disciplines may be counted for credit towards a major in history.

Under Joint Major, replace the third sentence with:

A student must offer at least one course in two of the three subfields, and one course must cover the period before 1800.

HI 100-399 LECTURE COURSES. No change.

HI 401-419 READING COURSES. No change.

HI 420-429 RESEARCH SEMINARS. Replace the final sentence with: HI 500 projects in American history need permission to fulfill the research seminar requirements.

HI 700 SENIOR INDEPENDENT STUDY. Fall, Winter, Spring.

HI 705 TEACHING ASSISTANTSHIP. Fall, Spring.

FOUNDATIONS COURSES

*HI 103 INDIVIDUALS AND ORGANIZATIONS. Fall. New Title and Description. A consideration of four situations in two-week blocks, where an individual or a group challenged an aspect of prevailing mores. Stress will be placed on how to use primary materials. The four blocks will be interspersed with readings that discuss the problem of just what kind of an intellectual activity history is. The course is not intended to prove any theory so much as to open students' minds to how people behaved, in specific situations, during the medieval and early modern periods in European history. No seniors will be permitted in the course. There will be one section, limited to 15 students, that will fulfill the freshman writing requirement. Mr. Tillinghast and Staff.

*HI 104 MODERN REVOLUTIONS. Spring. Add: Lectures will be presented by Professors Macey, Lamberti, Spencer and Wyatt, according to their area of specialization. Mr. Macey and Staff.

LECTURE COURSES

HI 203 UNITED STATES HISTORY, 1492-1861. Fall. One section of this course, limited to 15 students, will fulfill the freshman writing requirement.

HI 204 UNITED STATES HISTORY, 1861-PRESENT. Spring.

HI 214 SOCIETY AND CULTURE IN WESTERN EUROPE, 1500-1800. Spring. New Course. These three centuries saw the creation of the modern western European consciousness. The 1500s witnessed the breakdown of the medieval Church; the 1600s brought widespread social and political upheavals; the 1700s were marked by new intellectual and economic challenges to the old order. The course will discuss the major developments of this period, from the Reformation to the "crisis of the 17th century" and the Enlightenment. It will also concentrate on certa n important themes: the changing role of religion, the significance of popular culture, the structure of the family, the problem of poverty and the growth of towns. Mr. Monod.

HI 215 HISTORY OF MODERN EUROPE, 1800-1900. Fall.

HI 216 HISTORY OF MODERN EUROPE, 1900-1968. Spring.

(HI 225 THE FOUNDATIONS OF MODERN AFRICA)

HI 226 MODERN AFRICA. Fall. Staff.

(HI 235 MODERN EAST ASIA: 1750-1912). Offered in 1987-88.

(HI 236 MODERN EAST ASIA: 1912-1976). Offered in 1987-88.

HI 238 MODERN MIDDLE EAST HISTORY. Spring.

HI 247 RUSSIAN HISTORY TO THE GREAT REFORMS. Formerly HI 347. Fall.

(HI 248 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT). Offered in 1987-88. Formerly HI 348.

HI 285 COLONIAL LATIN AMERICA. Fall.

HI 286 MODERN LATIN AMERICA. Spring. New Description. This course will survey the history of Latin America from independence to the present. While narrative and chronology will have their place, the course will emphasize a number of critical themes: the role of the environment; the political legacy of independence; economic and social development; acceptance of or resistance to internal and external change; and the course of relations between the Latin American republic and the industrialized nations of Europe and the United States. A special focus on the Caribbean basin and Central America will round out the course. Mr. Homick.

HI 331 IMPERIAL CHINA. Fall. New Description. The history of China from her cultural beginnings up to the conflicts with the West in the 1840s. Special attention will be directed toward the social, institutional and intellectual events such as dynastic succession and bureaucratic centralization that were key constituents shaping China's traditional period of development. Mr. Wyatt.

HI 332 MODERN CHINA. Spring. New Course. The history of China from the mid-19th century to the present. Concentration on the problems of modernization, the rise of Mao as charismatic leader, and the building of an agrarian communist nation-state. Particular consideration will also be given to contemporary social, political, and economic conditions in the People's Republic of China. Mr. Wyatt.

HI 333 CHINESE INTELLECTUAL HISTORY. Spring. New Description. A survey of the dominant intellectual trends in China from the competing schools of the 5th century B.C. to the adoption and adaptation of Marxist thought. Major early alternatives to Confucian ideology (such as Taoism, Mohism, and Legalism) will be stressed. Individuals and their ideas will be discussed with specific reference to their historical contexts and implications. Mr. Wyatt.

HI 334 CHINESE INSTITUTIONAL AND SOCIAL HISTORY. Deleted.

(HI 335 TRADITIONAL JAPAN)

HI 336 MODERN JAPAN. Fall. New Course. The emergence of Japan as a modern nation, the social dimensions of industrialization, political opposition and party conflict, the expansion and decline of the Japanese colonial empire, and the remarkable economic advance on the world market following World War II. Mr. Wyatt.

HI 339 HISTORY OF SOUTHERN AFRICA. Spring.

(HI 341 THE CIVILIZATION OF THE DARK AGES). Offered in 1987-88.

(HI 342 THE MEDIEVAL OUTLOOK, 1050-1300) Offered in 1987-88.

HI 343 EUROPE IN THE RENAISSANCE. Winter. New Description. The course will include the period from roughly 1300 to 1550. There will be no

coverage of the Reformation and its antecedents; these will be handled in HI 344. The major focus will be on the background of the cultural events of the period. Mr. Tillinghast.

HI 344 THE REFORMATION. Spring. New Description. An attempt to tie religious currents in the late Middle Ages to the teachings of the earlier Reformers. The stress will be on the relationship between developing religious needs and the prevailing currents in thought and society. Mr. Tillinghast.

HI 346 HISTORY OF FRANCE, 1750-1940. Spring. New Description. An introduction to French history from the Old Regime to the Third Republic, this course will examine those historical experiences that have been fundamental in the making of modern France. Concentrating on the interrelationships between social, economic and intellectual history, primary attention will be devoted to France's successive crises, both revolutionary and non-revolutionary, and the continuities which not only underlie them but also link them to the political consolidation and economic and social modernization of the 20th century. Mr. Macey.

HI 347 RUSSIAN HISTORY TO THE GREAT REFORMS. Changed to HI 247, above.

HI 348 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT. Changed to HI 248, above.

(HI 349 HISTORY OF GERMANY FROM 1648 TO THE TWENTIETH CENTURY)

HI 351 THE USES OF BIOGRAPHY. Deleted.

(HI 353 BRITISH HISTORY, 1603-1815). Offered in 1987-88.

HI 354 BRITISH HISTORY, 1815-1979. Fall. New Description. The spectacular rise and dramatic decline of Britain as an imperial and industrial power is the central theme of this course. The century after 1815 was an age of political and social reform and the apogee of middle class culture. But in 1914 the crucial problems of women's rights, of labor against capital, and of Irish nationalism remained unsolved. Decades of war and economic depression followed. The Labour Party tried, and failed, to create a social democracy out of post-war Britain. Today, with her empire gone, her industry spent, Britain continues to provide a warning and an example to the rest of the world. Mr. Monod.

(HI 361 COLONIAL AMERICA)

(HI 362 REVOLUTIONARY AMERICA, 1763-1800)

HI 363 JEFFERSONIAN AND JACKSONIAN AMERICA, 1800-1848. Fall. New Description. A close study of the so-called "Middle Period" of American History from the "Revolution of 1800" to the Mexican War. The course will examine the major themes of the period -- political democracy, economic diversification, social reform, intellectual ferment, and territorial expansion -- as parts of an evolving sense of American nationalism. Ms. Gray.

(HI 364 CIVIL WAR AND RECONSTRUCTION, 1845-1890). Offered in 1987-88.

HI 365 VICTORIAN AMERICA: 1877-1919. Spring. New Course. Students will examine the post-Reconstruction era through the end of World War I when the United States emerged as a leader of the world community. As the forces of industrialization and urbanization combined to transform rural America, significant readjustment and accompanying conflict marked the social, political and economic life of the country. Farmers, labor, and urban reformers organized in response to the consolidation of business and the creation of vast personal fortunes. Often called the Gilded Age because material progress masked underlying turmoil, this period of national coming of age is crucial to the understanding of contemporary America. Ms. Bellows.

HI 366 THE AMERICAN FRONTIER, 1789-1892. Spring. New Course. Westward expansion has occupied a central place in America's conception of itself, and the frontier has consequently also been the focus of much American historical writing. The course will examine the notions of individual

and national identity as expressed in the institutions that Americans devised to explore, exploit and settle a seemingly unlimited wilderness. The span of the course is from the Northwest Ordinance of 1785-1787 to the federal census taker's declaration of 1890 that the frontier was closed. Ms. Gray.

HI 367 TWENTIETH CENTURY AMERICA, 1900-1948. Fall.

HI 368 TWENTIETH CENTURY AMERICA, 1948-Present. Spring.

HI 371 BLACK HISTORY. Fall. New Description. An examination of the Black experience in America. The nature of slavery and freedom, the significance of migration and urbanization, and the various strategies employed by Blacks to gain equality and a sense of identity throughout American history will give general focus to the course. The social, economic and political structure of a black community in an urban and a rural environment will receive close attention. Ms. Bellows.

HI 376 WORKING CLASS IN AMERICAN SOCIETY, 1850-Present. Deleted.

READING COURSES

HI 401 READINGS IN EARLY EUROPEAN HISTORY. Deleted.

HI 403 READINGS IN MODERN EUROPEAN HISTORY. Offered only in Fall.
Fall: MAJOR THEMES IN MODERN EUROPEAN HISTORY. Mr. Monod.
Spring: Delete both THE JEWS IN MODERN EUROPE and BRITISH SOCIETY.

HI 404 THE SOVIET UNION. Fall. New Course. Beginning with a brief treatment of the Revolutionary period between 1905 and 1917, this seminar will focus on a variety of topics in the soc al, intellectual and cultural history of the Soviet Union down to the present. The goal is to achieve a deeper understanding of the nature of the Soviet experience. The course will culminate with a consideration of some of the major contemporary issues, including ethnic and religious problems, the position of women, and the role of elites. Mr. Macey.

HI 405 READINGS IN AMERICAN HISTORY. Fall, Spring. New Description. There will be two sections of this seminar, either one of which will fulfill the reading seminar requirement for the major or the concentration. Preference given to majors and concentrators; all others require permission of the instructor, and will be admitted only after all majors and concentrators have been accommodated.

HI 405A GREAT AMERICAN HISTORIANS. Fall. New Description. An examination of the changing interpretations of American history from the 19th century Romantic Historians to the "Consensus" and "New Left" writers of the 1950s and 1960s, with particular emphasis upon the Turner-Beard-Parrington group of Progressive historians a and few of the principal mid-20th century writers, including Boorstin, Donald, Hofstadter and Schlesinger. Some of the readings will focus upon changing interpretations of the Revolutionary-Constitutional-Early National Period, the Civil War, the Populist-Progressive Era, and mid-20th century America. Ms. Gray, Mr. Jacobs.

HI 405B READINGS IN THE HISTORY OF THE AMERICAN SOUTH. Spring. New Description. This course will focus upon the various interpretations of the South beginning with the colonial period when its culture and economic interests were first perceived as distinct from those of the rest of the nation, to the contemporary Sunbelt phenomenon. Students will evaluate the myths and realities of the historical and contemporary literature with a special emphasis on the "moonlight and magnolias" of the Old South, the "peculiar institution" of slavery, the inevitability of the Civil War, race relations, and the place of the Southern experience within the broader context of American history. Ms. Bellows.

HI 407 SLAVERY IN AFRICA. Fall. New Title and Description. Slavery was an important institution not only in the Americas but also in Africa. This course will examine slavery and other forms of forced labor on the African continent from 1500 to the present. Topics to be discussed will include the social, economic and political dimensions of the internal and external trade in slavery, the consequences of the suppression of the

slave trade and the subsequent abolition of slavery, and the development of alternate systems of labor recruitment. Mr. Allen.

(HI 409 READINGS IN ASIAN HISTORY)

HI 411 THE UNITED STATES AND LATIN AMERICA. Fall. New Title and Description. This seminar seeks to examine the unique and often tumultuous relationship that has evolved between the United States and the Latin American republics. Through a series of related readings we shall explore the origins and development of relations between the Iberian and Anglo-Saxon halves of the Western hemisphere from the Monroe to the Reagan doctrines. While the course will cover the nations of continental South America, there will be particular stress on Mexico, Central America and the Spanish Caribbean. Mr. Homick.

(HI 413 TOPICS IN MODERN EUROPEAN HISTORY)

(HI 415 TOPICS IN AMERICAN HISTORY)

RESEARCH SEMINARS

HI 420 WRITING AND RESEARCH IN EUROPEAN HISTORY. Spring. Miss Lamberti.

HI 422 WRITING AND RESEARCH IN AMERICAN HISTORY. Spring. No 500 projects in American history will fulfill the research seminar requirement, except with permission.

HI 424 WRITING AND RESEARCH IN NON-WESTERN HISTORY: IMPERIALISM. Spring.

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring.

HI 700 SENIOR INDEPENDENT STUDY. Fall, Winter, Spring.

HI 705 TEACHING ASSISTANTSHIP. Fall, Spring.

INTERNATIONAL POLITICS AND ECONOMICS

Co-Directors: Russell Leng (Professor of Political Science) and Michael Claudon (Professor of Economics).

In part D., bracket (PS 412 SEMINAR ON DIPLOMACY)

ITALIAN

See SPANISH/ITALIAN.

JAPANESE

Professor: Hiroshi Miyaji. Instructor: Linda K. Keenan.

Major Program. Replace first sentence with: The Japanese language program offers four levels in modern Japanese.

JA 101 BEGINNING JAPANESE. Fall. New Description. An introduction to modern Japanese (Tokyo speech that is the basis of common or standard language). Main emphasis is on the mastery of basic discourse skills and grammatical points, that is achieved through intensive oral practices and extensive use of audio-visual materials. Two sets of kana syllabaries and kanji (characters) will be introduced as means to develop reading skills, increase vocabulary, and internalize grammar. Ms. Keenan.

JA 102/WT BEGINNING JAPANESE. Winter. New Course. A continuation of JA 102.

JA 102 BEGINNING JAPANESE. Spring. New Description. A continuation of the fall and winter terms with further coverage of grammar. Oral-aural practice is emphasized to improve discourse skills. Reinforcement is achieved by reading short passages and writing compositions. The beginning Japanese courses aim at acquisition of well-balanced language skills on the basis of understanding of the actual use of the language in Japanese socio-cultural context. Ms. Keenan.

JA 201 INTERMEDIATE JAPANESE. Fall.

JA 202 INTERMEDIATE JAPANESE. Spring.

JA 301 ADVANCED JAPANESE. Fall. New Course. The course aims at further improvement of proficiency in modern standard Japanese, both spoken and written. The class will be conducted entirely in Japanese. Oral presentation and discussion, and composition in Japanese are important components of the course. Each student is increasingly directed toward reading materials of his/her area of specialization. Audio-visual materials will be extensively used. (JA 202, equivalent, or placement test.) Ms. Keenan.

JA 302 ADVANCED JAPANESE. Spring. New Course. Continuation of JA 301. Each student will engage in more specialized reading. Consolidation of discourse skills is also the goal. The class will be conducted entirely in Japanese. Practice in listening to lectures in Japanese will be given. Extensive use of audio-visual materials will continue. (JA 301, equivalent, or placement test.) Ms. Keenan.

JA 401 and 402 ADVANCED READING. Fall and Spring. New Course. Training in: 1) reading journalese and specialized materials, 2) speed reading; 3) use of Japanese reference materials. Pre-modern Japanese, classical and semi-classical will be introduced. (JA 302, equivalent, or placement test.) Staff.

LINGUISTICS

Assistant Professor: Jeannine Heny.

LI 175 USING YOUR LANGUAGE. Deleted.

*FL 201 INTRODUCTION TO LINGUISTICS. Fall. See Division of Foreign Languages listings for description.

*LI 206 THINKING LINGUISTICS. Fall.

LI 211 SOCIOLINGUISTICS. Spring.

LI 212 PSYCHOLINGUISTICS. Fall. New Description. Do speakers and hearers unconsciously use some form of "grammar" when they plan an utterance, or when they decode the speech of others? If so, what kind of knowledge is involved, and how is it used? Perhaps more important, where does linguistic knowledge come from? How does a young child manage to acquire a linguistic system virtually as complex as an adult's? These are the main concerns of psycholinguistics, and they determine the core of topics to be covered. The course will also study related topics such as the function of the brain in language, language disorders and reading. Ms. Heny.

LI 213 BILINGUALISM. Spring. New Course. The major issues in modern linguistics have often been most clearly stated in terms of monolingual speakers, as though all humans knew and used only one language. But recent studies involving bilingual or multilingual speakers have led to a new perspective on traditional questions. It is the goal of this course to look at language from this bilingual point of view: attention will focus crucially on language acquisition in bilingual children and on second language learning in adults. Other topics will include language processing, the relationship between language and other cognitive abilities, and social aspects of bilingualism. (LI 212 or permission.) Ms. Heny.

(LI 215 HISTORICAL LINGUISTICS)

LI 225 SOUND PATTERNS IN LANGUAGE. Spring. New Description. This is a problem-solving course which encourages students to discover for themselves how sound systems work in language. Students will learn how to transcribe sounds, break them down into their component "features," and analyze how they interact. Examples will be selected from well-known European languages, as well as from other linguistic groups, such as Bantu, American Indian, Semitic and Philippine. The course will also cover "prosodic" features such as stress and pitch, examining their role

in languages as unlike as Chinese and English. No knowledge of a foreign language is presupposed. Ms. Heny.

LI 295 GERMANIC LINGUISTICS. Fall. New Description. German, English, Dutch and Norwegian are closely related languages. Yet they exhibit broad divergence with respect to features such as word formation. The similarities and differences among these languages will be examined in the context of history and of general linguistic theory, with the intention of deepening the student's sensitivity to the workings of language. Other topics to be discussed include dialect variation, language learning and social questions such as usage in Germanic languages. Ms. Heny.

(LI 301 ROMANCE LINGUISTICS)

LI 312 INTRODUCTION TO HISTORICAL AND COMPARATIVE LINGUISTICS. Spring.

LI 500 INDEPENDENT STUDY. Fall, Winter, Spring.

PROGRAM IN LITERARY STUDIES

Director: Stephen Donadio

HISTORICAL
*CL 121 THE CLASSICAL TRADITION. Spring.
*CL 150 THE ANCIENT EPIC. Fall.
(*RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT)
*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.

THEORETICAL
(*EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY)
(*FL 251 LITERATURE AND REVOLUTION)
CS/LS 260 INTRODUCTION TO LITERARY CRITICISM AND ANALYSIS. Spring.

LS 260 INTRODUCTION TO LITERARY CRITICISM AND ANALYSIS. Spring.

LS 500 INDEPENDENT READING COURSE. Fall.

LS 700 SPECIAL RESEARCH. Winter.

LS 705 SENIOR COLLOQUIUM. Fall. Ms. Jackson.

MATHEMATICS AND COMPUTER SCIENCE

Professors: Michael Olinick, Bruce Peterson. Associate Professors: John Emerson, Robert Martin. Assistant Professors: Priscilla Bremser, Thomas Copeland, David Dorman, Claudia Henrion, Peter Schumer, John Thompson-Rohrlich. Visiting Instructors: Janine Clookey, Dorothy Mammen.

Major Program. Under Requirements for Computer Science emphasis, replace copy with: MA 214, MA 323, either MA 421 or MA 423, three electives at the 200-level or above, and MA 704 in the senior year.

Under Joint Majors, replace final sentence with: Students who have taken introductory computer courses (MA 103 or MA 213) can continue their study of computing by enrolling in MA 127, 214 or 226; each of these courses is well-suited to students not majoring in mathematics and computer science.

*MA 103 INTRODUCTION TO COMPUTERS. Fall, Spring. Mr. Martin, Ms. Henrion.

*MA 105 FINITE MATHEMATICS: PROBABILITY, MATRICES AND PROGRAMMING. Spring. Mrs. Clookey.

*MA 106 INTRODUCTION TO STATISTICAL SCIENCE. Fall.

MA 112 MATHEMATICAL ANALYSIS I. Fall, Spring. Add: A special section of MA 112 is reserved for students with no prior introduction to these topics.

MA 113 MATHEMATICAL ANALYSIS II. Fall, Spring.

(MA 127 ELEMENTARY COMPUTER SIMULATION)

MA 200 LINEAR ALGEBRA. Fall, Spring. Mr. Schumer, Mr. Emerson.

MA 201 MATHEMATICAL ANALYSIS III. Fall, Spring. Mrs. Clookey.

MA 203 DISCRETE STRUCTURES AND LINEAR ALGEBRA. Spring.

*MA 213 COMPUTER SCIENCE I. Fall, Spring. Mrs. Mammen.

MA 214 COMPUTER SCIENCE II. Fall, Spring. New Description. A second course in computer science designed to expand students' programming abilities and knowledge about computers. Emphasis is placed upon the design and construction of large programs, including a significant group programming exercise. Time will be spent considering the theory and practice of using various data structures in programming applications. (MA 213.) Mr. Thompson-Rohrlich, Mr. Martin.

MA 220 GRAPH THEORY AND COMBINATORICS. Deleted.

MA 225 SYSTEMS ANALYSIS AND DESIGN WITH MICROCOMPUTERS. Deleted.

(MA 226 GEOMETRY AND COMPUTER GRAPHICS)

(*MA 227 SET THEORY)

MA 228 MATHEMATICAL LOGIC. Fall. New Course. This course begins with a look at sentential logic, truth tables and their applications. It also explores first order logic and natural deduction systems, and considers how to decide whether a statement is true or provable. Important theorems covered include the Completeness Theorem and the Compactness Theorem. The course concludes with a discussion of the Incompleteness Theorem, the monumental result of Kurt Godel. (MA 113.) Ms. Henrion.

*MA 240 HISTORY OF MATHEMATICS. Spring. New Course. A comprehensive overview, from man's primitive beginnings of the concepts of number and shape to the rapid explosion of mathematical research in the 20th century. Included are the geometry of ancient Egypt and Greece, the preservation of mathematical texts during the Dark Ages, the development of the calculus, the major discoveries of modern algebra and number theory, and careful analysis of the fundamental crises which have rejuvenated and reshaped the course of mathematics throughout history. The lives and times of the outstanding figures of each epoch will be investigated as will the details of their mathematical achievements. (MA 113.) Mr. Schumer.

MA 302 ABSTRACT ALGEBRA I. Fall. Mr. Peterson.

(MA 310 PROBABILITY)

(MA 311 STATISTICS)

MA 315 MATHEMATICAL MODELS IN THE SOCIAL, LIFE AND MANAGEMENT SCIENCES. Fall. New Description. An introduction to the role of mathematics as a modeling tool and an examination of some mathematical models of proven usefulness in problems arising in the social and management sciences. Topics will be selected from the following: axiom systems as used in model building, optimization techniques, linear and integer programming, theory of games, systems of differential equations, computer simulation, stochastic processes. Specific models in political science, ecology, sociology, anthropology, psychology, and economics will be explored. (Permission.) Mr. Olinick.

(MA 318 SELECTED TOPICS IN OPERATIONS RESEARCH)

MA 321 ELEMENTARY NUMBER THEORY. Fall. New Description. Divisibility and primeness. Number congruences, the theorems of Lagrange, Fermat and Euler, residue theory, quadratic reciprocity. Diophantine equations. The distribution of primes, density and the Prime Number Theorem. (MA 113.) Mr. Schumer.

MA 323 COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE PROGRAMMING. Fall.

(MA 324 NUMERICAL ANALYSIS)

(MA 325 DATA STRUCTURES AND FILE PROCESSING)

MA 326 ARTIFICIAL INTELLIGENCE. Spring. Mrs. Mammen.

MA 328 ADVANCED TOPICS IN CRYPTOLOGY. Spring.

MA 401 ADVANCED CALCULUS. Fall. New Description. An axiomatic treatment of the topology of the real line, real analysis, and calculus. Topics include neighborhoods, compactness, limits, continuity, differentiation, Riemann integration, and uniform convergence. (MA 201 and MA 203.) Mr. Schumer.

MA 402 ADVANCED CALCULUS. Deleted.

(MA 403 ABSTRACT ALGEBRA III)

(MA 413 ORDINARY DIFFERENTIAL EQUATIONS)

(MA 421 THEORY OF COMPUTATION)

MA 423 ALGORITHMS AND COMPLEXITY. Fall. New Description. The theory of the design and analysis of algorithms covering topics such as: The complexity and efficiency of algorithms, various complexity classes of algorithms, the notion of computability, and methods for determining the correctness of algorithms. (MA 214.) Mrs. Mammen.

MA 431 COMPLEX ANALYSIS. Spring. New Description. An introduction to functions of a complex variable. Mappings of the complex plane, analytic functions. Cauchy Integral Theorem and related topics. (MA 201 or permission.) Mrs. Bremser.

MA 500 ADVANCED STUDY. Fall, Spring.

MA 704 SENIOR SEMINAR. Fall, Spring. Mrs. Bremser, Staff.

MUSIC

Professors: Emory Fanning, George Todd. Assistant Professor: Susan Cook. Visiting Assistant Professor: Gary Towne.

Major Program. In paragraph one, replace the third sentence with: All 300-level music courses unless otherwise stated assume both ability to read music and rudimentary theoretical knowledge.

Delete the first two sentences of paragraph two.

*MU 101 INTRODUCTION TO MUSICAL STYLES. Fall, Spring. New Description. This course is designed to provide the broadest introduction to the experience of music. Within this broad framework, a number of musical issues and topics -- technical, social, formal, theoretical -- will be addressed. No attempt will be made to provide an historical interpretation of western music, although historical elements will be discussed when relevant to other issues. Western art and concert music will be the focal point, but examples from popular, folk, and non-western traditions will be presented as well. Ability to read music is not expected. Ms. Cook.

(*MU 105 PERSPECTIVES OF MUSIC)

*MU 109 RUDIMENTS OF MUSIC. Fall, Spring. New Description. This introduction to the materials of music assumes no prior musical experience. It provides a grounding in the principles of musical notation, melody, rhythm, and harmony, with discussion of acoustics, instruments, and musical forms. Computer-assisted instruction. Mr. Towne.

MU 205 PERFORMANCE LAB. Fall, Spring.

MU 209 THEORY. Fall. New Description. MU 209 assumes basic notational skills (MU 109 or its equivalent) and minimal keyboard sight-reading

ability. The course exercises the student in the manipulation of diatonic musical materials through the study of harmony and counterpoint, including modes, triads and their inversions, melody construction and harmonization. Computer-assisted instruction in ear-training is supplemented by weekly tutorials. Mr. Towne.

MU 210 THEORY. Spring. New Description. Continuation of MU 209. Study of harmony in tonal music, including four-part harmonization through diminished seventh, altered sixth chords, modulation and chromatic structures, with study of musical forms, basic musical analysis and simple compositional exercises. Computer ear-training labs and tutorials continued as in MU 209. Mr. Towne.

MU 220 SURVEY OF MUSIC HISTORY. Fall. New Description. This chronological survey of the history of Western art music covers the period from the earliest written music through the middle of the 18th century. It includes the music of ancient Greece, Gregorian chant, troubadour song, sacred and secular polyphonic music of the Middle Ages, the Renaissance and Baroque. Emphasis on stylistic analysis of the music of a given era will be supplemented by consideration of the ways in which music and other arts reflect the history and culture of their times. Ability to read music required. Mr. Towne.

MU 221 SURVEY OF MUSIC HISTORY. Spring. New Description. This course is the second semester of the department's two-semester history of western art music and covers the music of the pre-classic age of J.S. Bach's sons through the music of our century. The approach of the course is both historical and cultural, as we will continually try to see how music reflects its age and the concerns of the composer and the audience. Although intended as a course for serious music students, all students are welcome provided they have had some prior musical experience such as MU 101, MU 109, or have the ability to read music. MU 220 is not a prerequisite. Ms. Cook.

MU 230 AMERICAN POPULAR SONG. Deleted.

(MU 250 INTRODUCTION TO ELECTROACOUSTIC MUSIC)

MU 290 FUNDAMENTALS OF CONDUCTING. Deleted.

MU 306 PERFORMANCE CLASS. Fall. Staff.

MU 307 PERFORMANCE CLASS. Spring. Staff.

MU 309 ANALYSIS. Fall. Staff.

MU 310 ANALYSIS. Spring.

MU 321 MUSIC IN THE MEDIEVAL AND RENAISSANCE PERIODS. Fall. New Description. Concentrated study of the beginnings of the western musical tradition, from Gregorian chant through the 16th century. This course treats the music in greater detail than MU 220, and in a given term, some special aspect of this period will be given detailed consideration, for instance: Medieval monophony, Renaissance sacred polyphony, the rise of secular musical forms. These subjects will be considered in their historical contexts, with emphasis on the changing roles of composers and music as influenced by culture. The course will include a class trip or other special opportunity to hear early music. Mr. Towne.

(MU 322 MUSIC IN THE BAROQUE ERA)

(MU 323 MUSIC IN THE CLASSICAL PERIOD)

(MU 324 MUSIC IN THE ROMANTIC ERA)

(MU 325 MUSIC IN THE TWENTIETH CENTURY)

MU 326 AMERICAN MUSIC. Spring. New Title and Description. This course will not follow a strict historical approach to the subject, but rather a number of composers and topics will be explored in order to answer the questions "what makes American music American," what does it mean to be an American composer," and "is there an American musical experience."

Among the composers and topics to be studied are William Billings, Amy Beach, Charles Ives, William Grant Still, the popular song tradition of Tin Pan Alley, and the Broadway musical. Students will also do work in the Flanders Ballad Collection and explore aspects of native Vermont music. The instructor will arrange for class attendance at a number of live musical events. The course is open to all students, and the ability to read music is not assumed, although students will be expected to undertake a number of special projects designed to expand their musical skills and abilities. Ms. Cook.

(MU 329 THE STUDY OF MUSICAL INSTRUMENTS)

(MU 330 SYMPHONIC LITERATURE)

(MU 331 HISTORY OF OPERA)

MU 340 BEETHOVEN AND THE NEW CURRENTS OF THE NINETEENTH CENTURY. Deleted.

(MU 350 ELECTROACOUSTIC MUSIC COMPOSITION)

MU 360 WOMEN IN MUSIC. Spring. New Course. This course will examine the role of women in the western concert and popular traditions as composers, performers and patrons. Questions we'll address are: What women made music? What kind of music did women compose and/or perform and under what conditions? What kind of obstacles did musical women face or where did they find support? How else did women influence the development of music? The course is open to all students, and the ability to read music is not assumed, although students will be expected to undertake a number of special projects designed to expand their musical skills and abilities. Ms. Cook.

MU 390 JUNIOR SEMINAR IN MUSIC. Fall. New Description. The junior seminar provides the opportunity for students to explore a variety of topics in music in preparation for senior work. Such topics include research tools and methodologies, the disciplines of musicology and ethnomusicology, the nature of performance, and critical writing. Ms. Cook.

MU 500 INDEPENDENT STUDY

MU 704 SENIOR WORK

PERFORMANCE STUDIES
Private instruction in Harpsichord is now available, taught by Ms. Cook.
Private instruction in Oboe is no longer available.
Ms. Russell has replaced Mr. Rehbach as Music Librarian.
Chamber Ensembles will be directed by Staff.

PROGRAM IN NORTHERN STUDIES

Associate Professor: C. Randall Landgren (Director). Visiting Assistant Professor: William Howland. Adjunct Professors: Oran Young, Steven B. Young.

Major Program. There is no longer a Northern Studies Advisory Committee.

Requirements for a Northern Studies Major. Under Biology course listings, delete BI 311, ECOSYSTEM ANALYSIS and add BI 390 ADVANCED ECOLOGY.

Replace the final eight paragraphs of the major program description with the following:

Along with the courses taken in the "tracks," students are required to take NE 151 and NE 152, preferably in the freshman year, and NE 252.

Majors will spend one or two semesters at the Center for Northern Studies, taking the courses described below. Majors also ordinarily take Winter Ecology (NE 350) at the Center in winter term. Normally, students are resident at the Center during the junior year, though residence at the Center is possible in exceptional cases during the sophomore or senior year. During the semester-in-residence, students plan their future courses on campus with Center and Middlebury faculty advisers. Planning also begins for the student's senior work. In the fall of the

senior year students take NE 451.

Students normally take one or two units of senior thesis work (NE 700). At least one thesis unit is required for the major. No more than three units of senior thesis work may be applied toward a Middlebury degree. The two unit thesis may be either field or library based. The three unit thesis requires original, predominantly field oriented work; the thesis is read by and defended in front of three faculty members after a seminar discussing the work has been presented by the student.

Students are encouraged to establish with their adviser an appropriate procedure to collect the data for their thesis work in the summer before the senior year.

A limit of nine regular term courses and one winter term course can be accepted from the Center for Northern Studies toward the Middlebury degree. This limitation includes any research and thesis work undertaken at the Center.

While there is no language requirement for the Northern Studies major, students who have serious career plans in the North are strongly encouraged to develop a reading knowledge of Russian.

Further specific information on the Program can be obtained from Mr. C. Randall Landgren, the administrative coordinator for Northern Studies at the College.

NE 151 INTRODUCTION TO THE POLAR ENVIRONMENTS. Fall. New Description. The course provides an introduction to the physical and biological characteristics of the polar world. A systems approach is used to study climate, glaciation, geomorphology and soils. The ecosystems of the tundra, boreal forest, and polar seas, and their environmental histories are treated, with attention to the methods by which polar research is conducted. (Open to freshmen and sophomores, otherwise by permission.) Mr. Howland.

NE 152 PUBLIC POLICY IN ARCTIC AND SUBARCTIC NORTH AMERICA. Spring. New Title and Description. The evolution of public policy in Arctic and Subarctic North America is treated from the early explorations, through the periods of whaling, the fur trade, defense developments, mining, and the oil and natural gas developments of recent years. The emphasis is on the political, economic and cultural impacts of southern-based policy and activity on the Native People of the north, and the underlying conflicts in the perceptions of the north as a 'homeland' and as a 'frontier'. The evolution and status of Native Claims is examined as a modern expression of the public policy dilemma. (Open to freshmen and sophomores, otherwise by permission.) Mr. Howland.

NE 252 BIOGEOGRAPHY. Spring. New Course. This course presents an ecological and evolutionary approach to the study of patterns in the distribution of plants and animals. Theories of ordination, classification, and mapping of plants and animal ranges are introduced. Zoogeographic realms, concepts of geographical ecology, and phytogeography are reviewed. The role of plate tectonics and the Quanternary ice age in evolutionary systematics, modes of speciation, disjunctions and relict ranges are examined. Theories of Island Biogeography are applied to Arctic and Alpine biogeographic problems in the latter part of the course. (NE 151, or BI 125, or GG 250, or permission.) Mr. Howland.

NE 451 SENIOR SEMINAR: NORTHERN RESEARCH. Fall. New Course. This seminar treats the definition of northern research problems, the development of research proposals, a critical acquaintance with the literature, elements of research methodology, and the preparation of research papers. The approach involves student research projects, class seminars, and finished papers. Mr. Howland.

SEMESTERS-IN-RESIDENCE AT THE CENTER FOR NORTHERN STUDIES

FALL SEMESTER-IN-RESIDENCE

NE 310 PALEOENVIRONMENT AND THE PREHISTORY OF THE CIRCUMPOLAR NORTH. Fall.

NE 320 DYNAMICS AND CHARACTERIZATION OF NORTHERN ECOSYSTEMS. Fall.

NE 330 INDIGENOUS CULTURES OF THE CIRCUMPOLAR NORTH. Fall.

NE 340 POLAR BIOTA. Fall.

WINTER TERM-IN-RESIDENCE
NE 350 WINTER ECOLOGY. Winter.

SPRING SEMESTER-IN-RESIDENCE
NE 360 THE POLITICAL ECONOMY OF RESOURCE MANAGEMENT. Spring.

NE 370 NORTHERN POLICY STUDIES. Spring.

NE 380 COMMUNITY DEVELOPMENT IN THE CIRCUMPOLAR NORTH. Spring.

NE 390 NORTHERN LEGAL ISSUES. Spring.

NE 395 NORTHERN RESOURCE CONFLICTS. Spring.

SEMINAR SERIES. Fall, Spring.

NE 500 INDEPENDENT STUDY

NE 700 SENIOR THESIS

PHILOSOPHY

Professors: Lynne Baker, Stanley Bates, Hiroshi Miyaji, Victor Nuovo (chairman). Assistant Professor: Michelle LaRusch. Visiting Assistant Professor: Richard Arthur.

*PA 150 INTRODUCTION TO PHILOSOPHY. Fall, Spring.

*PA 180 INTRODUCTION TO MODERN LOGIC. Fall, Spring.

(*PA 190 ETHICS AND THE ENVIRONMENT)

(*PA 201 ANCIENT AND MEDIEVAL PHILOSOPHY)

*PA 202 MODERN PHILOSOPHY FROM DESCARTES TO PEIRCE. Spring. New Description. This course traces the development of modern philosophy in two consecutive periods: from Descartes to Kant and from Kant to the American philosopher C.S. Peirce. Major themes include: Cartesian doubt and the philosophical discovery of self-consciousness; materialism and pessimism in the late Renaissance; the great rationalist systems; the mechanistic theory of nature; British empiricism from Locke to Hume; Kant and the philosophy of the Enlightenment; German philosophy after Kant; Scottish philosophy after Hume; Romanticism and Utilitarianism in England; American Transcendentalism; Darwin and philosophy; the rise of academic philosophy in the United States; Prospective on 20th century philosophy. Although this course is designed to follow PA 201, it does not presuppose it and can be taken separately. Ms. LaRusch.

(PA 205 HUMAN NATURE AND ETHICS)

PA 207 CONTEMPORARY MORAL PROBLEMS. Fall. New Description. In this course we will examine some moral issues which, although not new, have been of special concern in recent times. In particular we will discuss the problems of racism, sexism, preferential treatment, abortion, euthanasia, incest, privacy, punishment and world hunger. We will see how philosophers have attempted to clarify these problems as well as see how philosophers have constructed bases for judging our actual behavior with respect to these problems. There will be three lectures and one discussion section each week. Ms. LaRusch.

(PA 213 PHILOSOPHY OF RELIGION)

PA 222 AMERICAN PHILOSOPHY. Fall. New Description. This course will begin with an investigation of the "American Enlightenment" -that complex adaptation of European thought which lays behind the invention of America. We shall discuss Transcendentalism, another current of American thought which needs to be understood against the European background of Idealism and Romanticism -with Emerson and Thoreau as principal figures. The last part of the course will concern the professionalization of philosophy and the development of what is usually thought to be the characteristic American philosophy, pragmatism. The central figures were

C.S. Peirce, William James and John Dewey, and the contemporary inheritors of the pragmatic tradition, W.V. Quine and Nelson Goodman. Mr. Bates.

(PA 223 INTRODUCTION TO CONTEMPORARY PHILOSOPHY)

PA 230 PHILOSOPHY OF SCIENCE. Spring.

PA 231 PHILOSOPHY OF HISTORY. Spring.

(PA 233 AESTHETICS)

(PA 250 HISTORY OF EARLY MODERN PHILOSOPHY: DESCARTES TO KANT)

PA 253 CONFUCIANISM AND THE CONFUCIAN TRADITION IN EAST ASIA. Fall.

(PA 255 KIERKEGAARD, MARX AND NIETZSCHE)

(PA 256 TOPICS IN JAPANESE PHILOSOPHY)

(PA 280 INTERMEDIATE LOGIC)

PA 309 PHILOSOPHY OF LAW. Fall. New Course. We shall begin this course with a study of the two main opposing traditions of understanding and defining "law": the tradition of natural law and that of legal positivism. We shall then consider contemporary examples of these theories in the work of Lon Fuller and H.L.A. Hart. In the final part of the course, we shall look at a more specific problem in the philosophy of law, the theory of punishment. Mr. Bates.

PA 331 HISTORY OF MATERIALISM. Fall. New Course. Of all philosophical doctrines, Materialism has the longest history, appearing first with the Greek Atomists of the 5th Century B.C. What makes it also one of the most interesting is its pivotal and controversial role as mediator between progressive science and radical politics. We shall be tracing its history from the Greek Atomists and Epicureans, through Hobbes and the 18th century French Enlightenment thinkers Diderot, d'Holbach and LaMettrie, to the Germans Feuerbach, Marx and Engels. Mr. Arthur.

(PA 350 METAPHYSICS)

(PA 351 THEORY OF KNOWLEDGE)

(PA 352 PHILOSOPHY OF MIND)

(PA 354 PHILOSOPHY OF LANGUAGE)

SEMINARS

(PA 402 THE PHILOSOPHY OF ARISTOTLE)

(PA 405 LOCKE AND LEIBNIZ)

PA 406 KANT. Deleted.

(PA 407 HEGEL'S PHENOMENOLOGY)

PA 410 WITTGENSTEIN. Fall. New Description. A study of Wittgenstein's early Tractatus and his major later work, Philosophical Investigations, and the continuities and discontinuities between the two. In addition to Kripke's interpretation of Wittgenstein on rules and private language, issues to be discussed include skepticism and the nature of meaning. Open only to advanced philosophy students. Ms. Baker.

(PA 412 CONTEMPORARY POLITICAL LIBERALISM: RAWLS AND DWORKIN)

(PA 414 THE NATURE OF BELIEF)

PA 416 CONTEMPORARY AESTHETICS. Spring. New Course. This seminar will consist of a careful reading of the works of some of the most important writers on topics in aesthetic theory including Nelson Goodman, Stanley Cavell and Richard Wollheim. Mr. Bates.

PA 500 RESEARCH IN PHILOSOPHY. Fall, Spring.

PHYSICAL EDUCATION AND ATHLETICS

Program Copy. In paragraph three, change section 1 to read: 1. Exemption tests and pool tests may not be taken after the sophomore year without payment of a $25.00 fine for each test attempted, except that one $25.00 fine covers both the pool test and the swimming exemption test.

In paragraph five, change the penultimate sentence to: Application forms for independent programs are available at the office in the Field House and are returnable, for consideration, to the department chairman's office when indicated during each registration for instructional courses.

Physical Education Program. No Change.

Physical Education Instructional Course Registration Periods. Replace copy with:

Physical Education Instructional Course Registration Periods:

REGISTRATION DATES	SEASON	SEASON DATES
September 8, 9, 10	Fall	September15-October 24, 1986
October 7, 8, 9	Winter I	October 27-December 6,1986
December 1, 2, 3	Winter Program Term	January 5-January 3 0, 1987
February 9, 10, 11	Winter II	February 16-March 2 8, 1987
March 16, 17, 18	Spring	April 6-May 9, 1987

Exemption Periods and Tests:

FALL TESTS (September 8, 9, 10, 11 as scheduled)

WINTER DATES (February 9, 10, 11, 12 as scheduled)

THERE ARE NO SPRING TESTS.

PHYSICS

Professors: Robert Gould, Frank Winkler (chairman). Associate Professors: Robert Prigo, Richard Wolfson (on leave). Assistant Professor: Jeffrey Dunham. Visiting Assistant Professor: Stephen Ratcliff.

Major Program. Replace paragraph two with: Nonscience students will find the fall term courses, PH 105 (Physics of Sports), PH 155 (Introduction to the Universe), and the spring term course PH 101 (The Nature of Things: Physical Reality and Human Thought) especially suitable.

Change the Senior Program copy to: The major program culminates with a three-unit senior thesis and comprehensive examination. The thesis involves a significant piece of experimental or theoretical research. Thesis topics in recent years have included work in astrophysics, laser spectroscopy, biophysics, holography, nuclear physics, ultrasonics, plasma physics, solar energy and nuclear magnetic resonance. The comprehensive examination is given the fall term of the senior year.

*PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring. New Prerequisites. (Sections of this course are offered that fulfill the freshman writing requirement.)

PH 105 PHYSICS OF SPORTS. Fall.

PH 109 MECHANICS. Fall, Spring. Mr. Prigo (Fall), Mr. Prigo, Mr. Gould (Spring).

PH 110 ELECTRICITY AND MAGNETISM. Fall, Spring. Mr. Gould (Fall); Mr. Ratcliff (Spring).

(PH 145 ELECTRONICS FOR THE INTIMIDATED)

*PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall. Mr. Winkler.

PH 201 RELATIVITY AND QUANTUM PHYSICS. Fall. Mr. Dunham.

PH 202 ATOMIC AND NUCLEAR PHYSICS. Spring. Mr. Dunham.

PH 212 APPLIED MATHEMATICS FOR THE PHYSICAL SCIENCES. Spring. Mr. Ratcliff.

PH 221 ELECTRONICS FOR SCIENTISTS. Fall.

PH 266 CONTEMPORARY ASTRONOMY AND ASTROPHYSICS. Spring. Mr. Winkler.

PH 302 ELECTROMAGNETIC WAVES. Fall. Mr. Ratcliff.

PH 320 FLUID DYNAMICS AND PLASMA PHYSICS. Deleted.

(PH 330 ANALYTICAL MECHANICS)

PH 350 STATISTICAL MECHANICS. Fall. Mr. Winkler.

PH 401 INTRODUCTION TO QUANTUM MECHANICS. Spring. Mr. Gould.

(PH 402 ADVANCED QUANTUM MECHANICS)

(PH 405 NUCLEAR AND PARTICLE PHYSICS)

PH 500 INDEPENDENT STUDY AND SPECIAL TOPICS. Fall, Spring.

PH 705 SENIOR RESEARCH AND THESIS. Fall, Winter, Spring.

POLITICAL SCIENCE

Professors: Murray Dry, Russell Leng (on leave winter and spring terms), Paul Nelson (on leave winter and spring terms), Olin Robison, David Rosenberg. Associate Professor: Eric Davis (chairman). Assistant Professors: Michael Kraus, Gary Meyers. Visiting Instructor: Staff.

Major Program. Under The Field Distribution Requirement, replace the final two sentences with: Students must take two courses in any three of these fields.

Under Senior Program, add: Normally, the senior program requirement must be completed by taking a seminar offered by a member of the Middlebury faculty. Work done in programs abroad, at other North American colleges and universities and in the Washington Semester program will not count as the equivalent of a Middlebury seminar.

Under Departmental Honors, add: The minimum grades required for Honors are a B+ on the thesis and a B average in other departmental courses.

Under Independent Study, add: PS 500 projects are readings and research courses; the department will not award PS 500 credit for political science such as Congressional internships.

Under Joint Majors, change all copy to read:

Students wishing to do a joint major in political science and another department or program of studies must: (1) take eight political science courses, among them (a) either PS 101 or 107, and (b) PS 103 or 104 or 208; (2) take at least two courses in any two of the four fields of political science; (3) fulfill the department's senior work requirement; and (4) give evidence of having used the training in both major fields, usually in a seminar paper, but sometimes in an independent project or thesis.

Under International Major, change all copy to read:

This is a political science major combined with study abroad in both a foreign language and political science. The requirements are: (1) PS 101 or 107; (2) PS 103 or 104 or 208; (3) a year's study at a Middlebury School Abroad or an approved equivalent; (4) an advanced course in the appropriate foreign language department; (5) ten political science courses, including those taken abroad; (6) completion of the distribution requirement in three fields of political science; and (7) completion of the department's senior program.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall. Mr. Dry, with Mr. Nelson.

PS 102 THE AMERICAN POLITICAL REGIME. Spring. Mr. Dry.

PS 103 INTRODUCTION TO COMPARATIVE POLITICS. Spring. Mr. Meyers.

PS 104 INTRODUCTION TO AMERICAN POLITICAL PROCESSES. Fall.

(*PS 107 POLITICS AND THE STUDIES OF POLITICS)

POLITICAL THEORY
*PS 101 (See above)

(*PS 107) (See above)

PS 317 CLASSICAL POLITICAL PHILOSOPHY. Fall.

PS 318 POLITICAL PHILOSOPHY: MODERNITY. Spring. Mr. Dry.

(PS 401 SEMINAR ON POLITICAL PHILOSOPHY)

PS 409 SEMINAR ON POLITICAL PHILOSOPHY. Fall.

AMERICAN POLITICAL INSTITUTIONS
PS 102 (See above)

PS 104 (See above)

PS 208 THE POLITICS OF THE U.S. CONGRESS. Spring.

PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM. Fall. New Description. Drawing mainly on Supreme Court decisions from separate reprints and Gerald Gunther's casebook, and also on interpretive books and essays, this course studies the Marshall Court, the Taney Court, the Civil War cases, the pre- and post-1937 court, and the Warren and Burger Courts. The earlier cases focus on governmental powers in a federal system; the recent cases focus on the equal protection clause of the Fourteenth Amendment. A Mock Court case is anticipated. (Open to juniors and seniors with PS 102, or permission.) Mr. Dry.

(PS 306 AMERICAN CONSTITUTIONAL LAW: INDIVIDUAL RIGHTS)

PS 312 THE POLITICS OF THE FEDERAL BUREAUCRACY. Spring. New Description. An analysis of the theory and practice of public administration in America. Topics include classical and contemporary theories of bureaucracy (Weber, Barbard, Simon, Storing), the development of the administrative state in America, "merit" and "political" personnel systems, the budget process in the bureaucracy, the federal bureaucracy and state and local governments, administrative responsiveness to interest groups, and relations among the bureaucracy, the Congress, and the courts. The course will end with case studies of current administrative and regulatory policies. (PS 104 or 208 or permission.) Mr. Davis.

(PS 314 THE POLITICS OF AMERICAN URBAN AREAS)

(PS 402 SEMINAR IN CONSTITUTIONAL LAW)

PS 410 SEMINAR ON POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA. Fall. New Description. An intensive analysis of Presidential elections. Topics covered will include the debate over Presidential selection at the Constitutional convention, the historical development of Presidential selection processes (with particular attention to post-1968 party reforms), critical and realigning elections (are we now in an era of political realignment?), candidate strategies financing Presidential campaigns, and media coverage of Presidential elections. (Permission.) Mr. Davis.

(PS 425 SEMINAR ON THE AMERICAN PRESIDENCY)

COMPARATIVE POLITICS

PS 103 (See above)

PS 210 THE POLITICS OF MODERNIZATION IN THE THIRD WORLD. Spring.

PS 220 ASIAN POLITICS. Fall.

PS 225 COMPARATIVE POLITICS: WESTERN EUROPE. Fall. Mr. Meyers.

PS 227 SOVIET POLITICS. Fall.

PS 328 COMPARATIVE COMMUNISM. Spring.

PS 406 SEMINAR IN COMPARATIVE POLITICS: WEST EUROPE. Spring. Mr. Meyers.

PS 414 SEMINAR IN COMPARATIVE POLITICS: SOVIET UNION AND EAST EUROPE. Fall. New Course. An examination of several topical and theoretical themes in contemporary Soviet and East European politics. The seminar will study political leadership and succession, the role of the military in politics, human rights, political socialization, and intra-alliance politics (including the Comecon and the Warsaw Pact). (Permission.) Mr. Kraus.

PS 330 U.S.-ASIAN RELATIONS. Changed to PS 430, below.

PS 404 THE GLOBAL POLITICAL ECONOMY. Now under INTERNATIONAL RELATIONS AND FOREIGN POLICY, below.

PS 430 SEMINAR IN U.S.-ASIAN RELATIONS. (Formerly PS 330) Spring. New Prerequisites. (Permission.)

INTERNATIONAL RELATIONS AND FOREIGN POLICY

PS 201 INTERNATIONAL POLITICS. Fall. Mr. Leng, with Staff.

PS 302 INTERNATIONAL CONFLICT RESOLUTION. Spring. Staff.

PS 311 AMERICAN FOREIGN POLICY. Fall. Mr. Meyers.

PS 404 SEMINAR ON THE GLOBAL POLITICAL ECONOMY. Formerly noted under COMPARATIVE POLITICS. Fall. New Prerequisites. (Permission.)

PS 405 SEMINAR ON THE CAUSES OF WAR. Fall. New Prerequisites. (PS 201 or PS 311, and PS 220 or an equivalent course in statistics, and permission.)

PS 408 SEMINAR ON UNITED STATES-SOVIET RELATIONS. Spring.

(PS 412 SEMINAR ON DIPLOMACY)

INDEPENDENT PROJECTS

PS 500 ADVANCED PROJECTS

PS 700 HONORS

PSYCHOLOGY

Professors: A. Hunt Ewell, David Prouty (chairman). Associate Professors: Marc Riess. Assistant Professor: Jeanine Heny, Bob Osborne.

PY 105 INTRODUCTION TO PSYCHOLOGY. Fall, Spring. New Description. This course will provide a general introduction to the discipline of psychology. The most central and important theories, concepts, findings, and applications in the following areas will be considered: biological bases of behavior, learning and thinking, development, personality and abnormality, and social behavior. (Not open to juniors or seniors.) Staff.

PY 201 LOGIC OF STATISTICAL ANALYSIS. Fall.

PY 202 THE RESEARCH REPORT. Deleted.

PY 203 SOCIAL PSYCHOLOGY. Fall. New Description. This lecture course will provide a comprehensive overview of the discipline of social psy-

chology from a psychological perspective (that is, a focus on the individual). Theory, research, and application concerning the following topics will be considered: self-knowledge, impression management, person perception, attitudes, social influence, aggression, altruism, attraction, sex, and group dynamics. Mr. Riess.

PY 204 PERSONALITY PSYCHOLOGY. Spring. This is now a straight lecture course.

PY 207 CONDITIONING AND LEARNING. Spring.

PY 208 MEMORY AND THINKING. Spring. New Title.

PY 225 CHILD PSYCHOLOGY. Fall.

PY 226 ADULT DEVELOPMENT AND AGING. Spring.

PY 301 PHYSIOLOGICAL PSYCHOLOGY. Fall.

PY 302 RESEARCH METHODS IN PSYCHOLOGY. Spring. New Description. This course focuses on the problems and procedures for conceptualizing, designing, conducting, and reporting, psychological research. During the term students engage in two researches drawn from the fields of psychophysics and perception to obtain first-hand experience with such research. (PY 201.) 3 hrs. lect., lab. Mr. Ewell.

PY 306 THE EXCEPTIONAL CHILD. Fall. New Description. Exceptional children are all those children singled out by a prefix or label. Whether the label is "retarded", "deaf", "learning disabled", or any of the supply of terms psychologists, educators, and others have developed, it marks children as exceptions to some theoretical norm. This course will consider the variety of human functioning and the problems in defining and using categories of exceptionality. Attention will be given to communication and sensory handicaps, dysfunctions and disabilities with organic bases, subtle handicapping conditions such as specific language disability, and both extremes of intellectual functioning. Mr. Prouty.

PY 325 ABNORMAL PSYCHOLOGY. Fall. New Description. This course focuses on the processes of detection, classification, and dynamic formulation of the etiology, of mental illness. Particular emphasis is laid on the psychological interview as a technique for forwarding such processes. (PY 204 or PY 225; and permission, which is automatic for psychology majors.) 3 hrs. lect. Mr. Ewell.

PY 350 DIRECTED RESEARCH IN PSYCHOLOGY. Fall, Spring.

PY 411 CONTEMPORARY ISSUES. Fall. New Prerequisites. (Three psychology courses, or permission.)

PY 415 SELF-PRESENTATION. Fall. New Description. In social interaction we often consciously or non-consciously (i.e., out of awareness) attempt to influence the impressions of ourselves that we project to others. These activities, referred to as self-presentation or impression management, will be considered in detail from both psychological and sociological perspectives in this seminar course. First, we will consider the nature of self-presentation; its place in interpersonal relationships, and the role that the self-concept plays in it. Then we will explore in detail how people construct, protect, maintain, and enhance their social identities through verbal and nonverbal tactics of impression management. (At least one psychology course beyond the introductory (i.e., 100) level). Mr. Riess.

(PY 416 LIMBIC SYSTEM)

PY 417 PHYSIOLOGICAL BASIS OF LEARNING AND MEMORY. Spring. New Description. This seminar course deals with attempts to uncover the underlying physiological changes that enable the individual to benefit from experience. Following an introduction to ethological and experimental approaches to learning, the strengths and weaknesses of various physiological approaches will be examined. Traditional lesions, biochemical and stimulation studies will be covered, but emphasis will be placed on

plasticity in model systems and simple systems. (PY 301 or permission.) Mr. Osborne.

(PY 421 NONVERBAL BEHAVIOR AND COMMUNICATION)

PY 426 PSYCHOANALYSIS. Spring.

PY 500 ADVANCED RESEARCH. Fall, Spring.

PY 703 HONORS CANDIDACY. Spring.

RELIGION

Professors: Robert Ferm (chairman), Steven Rockefeller (on leave), Charles Scott. Associate Professor: Donald Lopez (on leave). Assistant Professor: O. Larry Yarbrough. Visiting Assistant Professor: Tomoko Masuzawa. Instructor: Robert Schine.

Major Program: Change III to: RE 110 or RE 201 or RE 204.

INTRODUCTORY COURSES

*RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Fall.

(*RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT)

*RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT. Spring. Staff.

*RE 120 INTRODUCTION TO THE JEWISH, CHRISTIAN AND ISLAMIC TRADITIONS. Deleted.

COURSES ON RELIGIOUS TRADITIONS

*RE 201 THE JEWISH TRADITION. Fall. New Description. An introduction to Judaism with readings in a representative selection of primary sources drawing from biblical to medieval times. Topics will include: the world of biblical religion; Judaism in the Hellenistic Age; the Talmudic period; liturgy; the emergence of Jewish philosophy in the orbit of Islam; the development of Jewish law and mystical thought. Mr. Schine.

RE 204 THE CHRISTIAN TRADITION. Fall.

(RE 209 THE HINDU TRADITION)

RE 210 THE BUDDHIST TRADITION: INDIA AND TIBET. Fall. Staff.

(RE 211 THE BUDDHIST TRADITION: CHINA AND JAPAN)

RE 212 CHINESE RELIGIONS. Fall. New Course. A thematic introduction to the many forms of Chinese religion from pre-historic times to the present. Topics include: cosmology, family religion, the quest for immortality, the Chinese pantheon, state religion, shamanism, geomancy, as well as the organized religions of Buddhism and Taoism. Readings include primary texts from the great tradition (Book of Changes, Classic of Filial Piety) and selected studies of Chinese popular religion. Staff.

(RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS)

(RE 217 GRECO-ROMAN RELIGIONS)

*RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Spring. New Course. A study of the historical sources of the western religious traditions and their expression in the social and intellectual context of American history. Particular attention will be given to Puritanism in America, the impact of westward expansion, and the influence of social and intellectual change in the late 19th and 20th centuries. Mr. Ferm.

COURSES ON TEXTS AND TOPICS

RE 280 STUDIES IN HEBREW BIBLE/OLD TESTAMENT. Fall. Added to the topics to be studied will be the sources of the Pentateuch and historical books.

RE 281 STUDIES IN THE NEW TESTAMENT. Spring.

RE 291 RELIGION AND LITERATURE. Fall. New Description. We begin with a study of a particular type of religious literature called myth, i.e., stories of "beginning" which are transmitted and transformed through generations. We then consider the transformation of the confessional and autobiographical literature from St. Augustine, Roussau, Goethe to Dostoevsky. Finally, some modern variations on the ancient theme of guilt and atonement will be examined in Kafka, Gide, Cocteau, and Durrenmatt. Ms. Masuzawa.

RE 292 PSYCHOLOGY AND RELIGION. Spring.

RE 295 VOICES OF DISSENT, RESISTANCE, AND LIBERATION. Fall.

SEMINARS IN RELIGION

RE 301 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE NINETEENTH CENTURY. Spring.

RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE TWENTIETH CENTURY. Fall. New Description. Studies in the writings of selected 20th century figures, including Barth, Niebuhr, Tillich and liberation theologians. Mr. Ferm, Mr. Scott.

RE 303 THEORIES OF RELIGION. Fall. New Description. A critical and historical analysis of modern theories of religion and their impact on the contemporary religious life. Many of the humanistic sciences which emerged in the 19th and 20th centuries were marked by a profound preoccupation with the question of the origin and nature of religion. Through a study of the writings of Marx, Freud, Weber, Durkheim, Levi-Strauss, and others, this course will examine how these figures understood the significance of religious phenomena. (Permission.) Ms. Masuzawa.

RE 304 SEMINAR IN JEWISH THOUGHT. Spring. New Title and Description. What is Judaism? A body of beliefs, or a system of ethics? a philosophy, or a "revelation"? a form of religious nationalism or an apolitical "faith"? This seminar will consider the answers to these questions offered by modern Jewish thinkers, beginning with Achad Ha-am (cultural Zionism), and concluding with Martin Buber and Gershom Scholem. Their conceptions of Judaism will be seen in the context of their views on the nature of religion per se, on knowledge of God, the relation of religion and ethics, and the role of the mystical in modern religious thought. Mr. Schine.

RE 306 THE PURITAN TRADITION IN AMERICA. Spring.

(RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY)

RE 309 SEMINAR IN BIBLICAL STUDIES. Spring. New Description. This year the seminar will focus on the letters of Paul. After surveying these letters, special attention will be given to recent scholarship on two related issues: law and the attitude to Judaism in Paul's thought. (Permission or RE 105 or RE 281.) Mr. Yarbrough.

(RE 310 SEMINAR ON CHRISTIAN THEOLOGY)

(RE 311 BUDDHIST PHILOSOPHY)

(RE 312 BUDDHIST AND CHRISTIAN ENLIGHTENMENT)

RE 314 SEMINAR IN CHRISTIAN ORIGINS. Fall. New Description. The focus of this year's seminar is the ethos and ethics of early Christianity. Participants will explore the ways early Christian communities addressed various ethical issues (wealth, military service, procreation, relations with the state, for example), drawing on the attitudes of the surrounding world in the process of formulating their own responses. (Permission.) Mr. Yarbrough.

RE 340 SEMINAR IN THE HISTORY OF RELIGION. Spring. New Description. Topic for 1986-87: Taoist Thought - the Tao Te Ching (attributed to Lao Tzu) and the Chuang Tzu (attributed to Chuang Tzu) have exerted a profound influence on Chinese culture for over two thousand years. This course consists of a close reading of these two texts, together with selected traditional commentaries and modern interpretation. Issues

include: creation mythology, metaphysics, mysticism, alchemy and Chinese science, relation to Taoist religious movements, and 20th-century interpretations. (Permission.) Staff.

RE 500 INDEPENDENT RESEARCH

RE 700 SENIOR RESEARCH FOR HONORS CANDIDATES

Cognate courses remain the same.

RUSSIAN

Professor: Robert Baker (chairman). Associate Professor: Thomas Beyer. Assistant Professor: Jane Miller. Visiting Assistant Professor: Kevin Moss. Lecturers: Alexandra Baker, Judith Olinick.

N.B. Students may meet some of the major program requirements by attending Middlebury's Russian School or Middlebury's School in the Soviet Union.

In paragraph seven, replace the final sentence with: The Russian and Soviet Area Studies Program or a joint or double major with one of these areas of study makes a particularly strong program.

RU 101 BEGINNING RUSSIAN. Fall.

RU 102 BEGINNING RUSSIAN. Spring.

RU 104 RUSSIAN FOR READING. Spring.

*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880) (IN ENGLISH). Fall. Mr. Moss.

*RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT) (IN ENGLISH). Spring. Mr. Moss.

RU 201 INTERMEDIATE RUSSIAN. Fall.

RU 202 INTERMEDIATE RUSSIAN. Spring.

RU 301 RUSSIAN CONVERSATION AND COMPOSITION. Fall.

RU 302 RUSSIAN CONVERSATION AND COMPOSITION. Spring.

RU 311 MASTERPIECES OF RUSSIAN LITERATURE. Spring. Mr. Moss.

RU 321 SOVIET MAN AND HIS WORLD. Fall.

RU 351 DOSTOEVSKY (IN ENGLISH). Fall. New Description. Classroom discussion of the major novels of Russia's most misunderstood genius. Brief lectures will attempt to define for a Western reader the uniquely Russian experience of Dostoevsky. No knowledge of Russian is required. Ms. Miller.

(RU 352 TOLSTOY (IN ENGLISH))

(RU 353 RUSSIAN THEATER (IN ENGLISH))

(RU 354 CHEKHOV (IN ENGLISH))

RU 356 RUSSIAN LITERATURE OF THE 60's and 70's. Spring. New Description. Russian writers of the 60's and 70's have shown themselves to be part of a world which includes Joyce, Nabokov, and Eliot as well as the Russian classics - Pushkin, Tolstoy, Dostoevsky. This course will examine the "new" Russian literature of the last fifteen years - some of it published in the USSR, some of it available only in the West - by writers on both sides of the border. Works by Solzhenitsyn, Brodsky, Aksyonov, Trifonov, Iskander, Rasputin and others. No knowledge of Russian required. Ms. Miller.

RU 401 ADVANCED LANGUAGE STUDY. Fall.

RU 402 ADVANCED LANGUAGE STUDY. Spring.

RU 500 ADVANCED STUDIES IN LANGUAGE AND LITERATURE. Fall, Spring.

RU 700 SENIOR INDEPENDENT STUDY PROJECT. Fall, Spring.

RU 704 SENIOR SEMINAR. Fall, Spring. Mr. Moss, Miss Miller.

RUSSIAN AND SOVIET AREA STUDIES PROGRAM

David Macey, Director (History), Robert Baker (Russian), Alexandra Baker (Russian), Thomas Beyer (Russian), Michael Kraus (Political Science), Ronald Liebowitz (Geography), Jane Miller (Russian), Kevin Moss (Russian), Judith Olinick (Russian), Olin Robison (Political Science).

Major Program. Change the first paragraph to read: A major in the Russian and Soviet Area Studies program seeks to combine proficiency in the Russian language with a solid interdisciplinary background in each of the social science disciplines that specialize in this important region,history, politics, and geography. It is expected that students who major in this field will be able to do senior work in one of these fields utilizing their language skills.

Under Requirements, change the third paragraph to read:

It is expected that majors in this program will also attend Middlebury's School in the Soviet Union (located at the Pushkin Institute in Moscow). During the fall of their senior year, after returning from the Soviet Union, students will be required to complete a senior interdisciplinary seminar in which they will utilize their language skills. This year this requirement may be fulfilled by taking HI 404.

Add the following new section after the above paragraph:

Departmental Honors: Students who have a B average or better in their courses in the program may elect to seek Honors by writing a senior thesis. The thesis will normally begin as a senior seminar paper. Students who spend the fall of their senior year in Moscow can fulfill this requirement either by taking another seminar offered in the program or an independent project (RS 500) in the spring of their junior year, or by completing a two semester senior thesis (RS 700). An honors thesis proposal must be submitted for approval to the program during the winter term of the senior year. If the proposal is approved, the student will register for RS 700 during the spring term. Honors are conferred or denied on the basis of the thesis grade, following an oral examination.

Change the remainder of the program copy to read:

The program offers two paths to the major. However, most students will be expected and encouraged to choose option A. Under this option, students will take 3 years of Russian language, will study for one semester in the Soviet Union, and will complete at least 6 courses in the social sciences (7 if they are candidates for Honors). It is expected that only those students who are unable to study in Moscow will take option B.

OPTION A:
Language: RU 101, RU 102, RU 201, RU 202, RU 301, RU 302; 1 semester at the Pushkin Institute; and at least 6 additional courses including:

(a) GG 222, HI 247, PS 227 (under normal circumstances, these courses should be taken before going to the Soviet Union);

(b) plus 3 additional courses including a senior interdisciplinary seminar (if a candidate for Honors) chosen from GG 422, (HI 248), HI 404, PS 328, PS 408, PS 414, RU 704, RS 500 or RS 700.

OPTION B:
Language: RU 101, RU 102, RU 201, RU 202, RU 301, RU 302 and at least 8 additional courses including:

(a) GG 222, HI 247, PS 227

(b) plus 3 courses including a senior interdisciplinary seminar if a candidate for Honors chosen from GG 422, (HI 248), HI 404, PS 328, PS 408, PS 414, RU 704, RS 500 or RS 700.

(c) RU 151 or RU 311 (in Russian), RU 321 (in Russian).

Courses in section (b) of both options A and B may vary from year to year depending on staffing. They may also be supplemented by Winter Term courses offered both by faculty participating in the program and other faculty members, where appropriate. On occasion, a winter term course may also be offered in the Soviet Union.

This program fulfills the concentration requirement. Students are encouraged, however, to take as broad a range of courses as possible when fulfilling their degree requirements.

Course listing:
GG 222 CONTEMPORARY GEOGRAPHY OF THE SOVIET UNION
GG 422 TOPICS IN SOVIET GEOGRAPHY
HI 247 RUSSIAN HISTORY TO THE GREAT REFORMS
(HI 248 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT)
HI 404 THE SOVIET UNION
PS 227 SOVIET POLITICS
PS 328 COMPARATIVE COMMUNISM
PS 408 SEMINAR ON UNITED STATES-SOVIET RELATIONS
PS 414 SOVIET AND EAST EUROPEAN POLITICS
RU 101 BEGINNING RUSSIAN
RU 102 BEGINNING RUSSIAN
RU 201 INTERMEDIATE RUSSIAN
RU 202 INTERMEDIATE RUSSIAN
RU 301 RUSSIAN CONVERSATION AND COMPOSITION
RU 302 RUSSIAN CONVERSATION AND COMPOSITION
RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880)(IN ENGLISH)
RU 311 MASTERPIECES OF RUSSIAN LITERATURE
RU 321 SOVIET MAN AND HIS WORLD
RU 704 SENIOR SEMINAR
For a complete description of these courses see the course descriptions listed under the appropriate departments.

RS 500 INDEPENDENT PROJECT. Fall and Spring.

RS 700 SENIOR THESIS

SOCIOLOGY/ANTHROPOLOGY

Professors: David Andrews, Rudolf Haerle. Associate Professor: Margaret Nelson (on leave). Assistant Professors: Ellen Basu, David Napier, E. Burke Rochford. Visiting Assistant Professor: Steve Cornish.

Major Program. Under Required for all Sociology-Anthropology majors: replace the final sentence with: Beyond these specific courses, each student may choose 5 to 9 electives from the variety of substantive courses offered by the department, no more than two of which may be 100-level courses.

INTRODUCTORY COURSES
*SA 103 SELECTED TOPICS IN SOCIO-CULTURAL ANTHROPOLOGY. Spring.

*SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall.

SA 108 INTERPRETIVE STUDIES IN ARCHAEOLOGY. Deleted.

SA 170 ANTHROPOLOGY THROUGH THE ARTS. Fall. New Course. Designed with non-majors and humanities concentrators in mind (though not restricted to them), the course considers how anthropological issues are manifested in the arts. Several forms of the liberal and fine arts will be considered, and special emphasis will be placed upon novels that highlight anthropological concerns and socio-cultural anthropology. We will investigate both how cultures represent themselves and how, in turn, they are represented by others. Mr. Napier.

(SA 180 THE ANTHROPOLOGY OF RELIGION)

SA 190 THE EVOLUTION OF MAN AND PREHISTORIC CULTURES. Fall.

(*SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT)

THEORY AND METHOD

SA 205 TOPICS IN SOCIAL THOUGHT--STABILITY AND CHANGE. Fall. Mr. Cornish.

SA 301 THE RESEARCH PROCESS--SOCIOLOGY. Spring.

SA 302 THE RESEARCH PROCESS--ANTHROPOLOGY. Fall.

SOCIAL ORGANIZATION AND COMPARATIVE INSTITUTIONS

(SA 180 THE ANTHROPOLOGY OF RELIGION). Now listed under INTRODUCTORY COURSES, above.

SA 304 WOMEN, CULTURE AND SOCIETY. Fall. New Course. The study of women cross-culturally raises a number of difficult and delicate issues. Do women constitute a legitimate category of analysis? What explains the diversity of women's roles across societies? How do we assess women's status and power? What forces create changes in women's roles? This course attempts to answer these questions and to compare and contrast women's roles in a variety of societies. Analysis will concentrate on three primary domains: family and kinship; symbolic systems; and political economy. Course readings deal primarily with non-Western societies, but not exclusively so. Ms. Basu.

SA 307 SOCIAL MOVEMENTS AND COLLECTIVE ACTION. Fall. New Course. Mr. Rochford. An analysis of the range of factors which influence the emergence and development of social protest, social movements, rebellion and revolution. Topics to be considered include: the generation and mobilization of discontent; recruitment and participation; member commitment; tactics and strategy; revolutionary situations and outcomes; collective violence; and, the factors which influence the success and failure of movement organizations and collective action in general. Emphasis will be placed on critically analyzing alternative approaches and theories of social movements and collective action (i.e., self-interest/deprivation, participation gratification, traditional collective behavior and resource mobilization). Empirical studies will be used throughout the course. Mr. Rochford.

SA 308 SOCIOLOGY OF RELIGION. Spring. New Course. An analysis of classical and contemporary issues in the sociology of religion. Emphasis will be given to individual religiosity, the characteristics of religious institutions and organizations, the social functions of religion for society, religion and social change, and the changing role of religion in modern society. Specific topics will include: the dynamics of religious conversion and commitment; church, sect and cult formation; the relationship of religion to other social and cultural institutions, factors influencing the rise of new religious movements and the process of secularization. Mr. Rochford.

(SA 315 SOCIOLOGY OF EDUCATION)

SA 316 THE SOCIOLOGY OF YOUTH. Spring. New Description. In the United States, the transition to adulthood is vaguely defined, resulting in an adjustment period characterized by "sturm and drang." The problems to which this course addresses itself spring from a set of historical, demographic, biological, cultural, economic and institutional forces and developments. Within the framework of a youth culture and peer group support, we shall explore the following type of issues: problems of social and sexual identity and maturity, youth in history and fiction, alienation and political activism, the generation gap, athletic participation and educational experiences, training for work and occupational aspirations, juvenile delinquency, and an overreaching concern with ethnic and class differentiations. Alternative solutions to the problems of youth will be considered and evaluated. (SA 105 or permission.) Mr. Haerle.

(SA 345 WORK, LEISURE AND SPORT)

SA 370 SOCIOLOGY OF INEQUALITY. Fall. Mr. Cornish.

SA 384 CROSS CULTURAL PERSPECTIVES OF HEALTH SYSTEMS. Deleted.

(SA 385 MEDICAL SOCIOLOGY)

SA 387 SOCIOLOGY OF LAW. Spring. Mr. Cornish.

(SA 390 THE SOCIOLOGY OF WOMEN)

SA 391 ADVANCED TOPICS IN THE SOCIOLOGY OF WOMEN. Deleted.

AREA STUDIES

(SA 321 NATIVE PEOPLES OF NORTH AMERICA)

SA 322 NATIVE PEOPLES OF SOUTH AMERICA. Spring. New Description. An examination of the aboriginal peoples of South America, the Caribbean Islands and Central America to the Maya frontier. Major emphasis will be on these peoples at the time of first contact. Special concern will be the methodological and theoretical implications of the data. (SA 103 or permission.) Mr. Andrews.

SA 326 LATIN AMERICAN CULTURE AND SOCIETY. Spring.

(SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE)

SA 335 CHINESE SOCIETY AND CULTURE. Fall.

(SA 336 INDIAN SOCIETY)

SOCIAL PROCESS AND SOCIAL PROBLEMS

SA 343 AMERICAN COMMUNITY STUDIES. Fall.

SA 344 URBAN SOCIOLOGY. Spring. New Description. The development of sociology has always entailed a concern with the effects of urban areas on social life, its quality, distinctiveness and problems. Over the last decade there has been a considerable revitalization of urban studies with the emergence of interdisciplinary contributions to an understanding of the place of cities and city life in the latter half of the 20th century. The course will briefly examine the historical and ideological development of urban sociology as a prelude to the study of recent work on urban development, politics and planning in the West, Eastern Europe and the Third World. Mr. Cornish.

SA 352 SOCIAL PSYCHOLOGY. Spring. Mr. Rochford.

SA 354 RACE AND ETHNICITY. Spring.

(SA 356 ANTHROPOLOGY OF CHANGE AND DEVELOPMENT)

SA 382 SYMBOLIC ANTHROPOLOGY. Spring. New Course. As the anthropological study of symbols and symbolic systems, this course examines the role of symbols in structuring society and expressing social ideas. Special attention will be given to the questions of how symbols are legitimized through the symbolic language of myth and how they act to codify social identity. Mr. Napier.

SA 388 DEVIANCE. Fall. New Description. This course will examine various sociological theories, ways of thinking and understandings about the nature of deviant behavior and its causes. Specific forms of deviance to be examined from a variety of theoretical approaches include: mental illness, crime, juvenile delinquency, rape, prostitution, and white-collar and corporate crime. To be considered also are the range of institutions (e.g., the asylum, jail and prison) and agents of social control (e.g., police, the courts, psychiatrists) responsible for processing and treating deviant populations. Emphasis throughout the course will center on what the study of deviance reveals about the nature of society. Mr. Rochford.

SA 500 ADVANCED INDIVIDUAL STUDY. Fall, Spring.

SENIOR PROGRAM

SA 700 SENIOR ESSAY. Fall.

SA 710 SENIOR THESIS. Fall, Winter.

SPANISH/ITALIAN

Professor: Roberto Veguez. Associate Professors: Alicia Andreu (on leave), Ugo Skubikowksi. Assistant Professors: Eduardo Bejar, Fabio Girelli-Carasi, Jill Netchinsky, Patricia Zupan. Instructor: Stephen Homick. Visiting Instructor: Judith-Liskin Gasparro.

SPANISH

Program Copy. Change the third sentence of paragraph one to read: Integrated with the department's offerings are the Middlebury Program for juniors in Madrid and the Middlebury Summer Language School of Spanish, including intensive courses from the beginning level.

Under Honors, change the first sentence to read: Upon completing an advanced course beyond the 300-level during the fall semester of the senior year, the student may be nominated as an Honors candidate (SI 705).

SI 101 INTENSIVE BEGINNING SPANISH. Fall. New Description. An intensive approach to beginning Spanish, designed to meet the needs of students who want to master the structures and vocabulary of the language in a very short time. The weekly schedule calls for three hours with a master teacher and three hours with a drill instructor, in addition to at least one hour a week at the language laboratory and required attendance at the language tables. Students take Continuing Spanish as their Winter term course. Mr. Veguez and Staff.

SI 102 CONTINUING SPANISH. Spring. New Description. For students who have successfully completed 101 and the winter term course. This course reviews and reinforces the most important grammatical structures of Spanish, and it uses reading and audiovisual material as a means of introducing the student to reading and writing in Spanish. Ms. Liskin-Gasparro and Staff.

SI 201 INTERMEDIATE SPANISH. Fall, Spring. Ms. Liskin-Gasparro.

SI 219 SELF-EXPRESSION IN SPANISH. Fall, Spring. Mr. Bejar and Staff.

SI 220 SPANISH CONVERSATION. Spring. New Course. An intermediate course designed to perfect the student's fluency in spoken Spanish through a carefully structured program leading gradually into free conversation on topics of broad general interest. The course is based on a variety of materials, including articles from current Spanish and Spanish America magazines and other media. (SI 219 or equivalent). Mr. Bejar.

*SI 231 CAPTAINS, KINGS AND CAUDILLOS (IN ENGLISH). Spring.

SI 300 AN INTRODUCTION TO THE STUDY OF HISPANIC LITERATURE. Fall, Spring. New Prerequisites. (SI 219 or equivalent.) Mr. Bejar, Mr. Veguez.

SI 301 THE HISPANIC TRADITION IN LITERATURE. Spring. Replace the third sentence of the course description with: Students will be required to do class presentations and to write papers.

SI 303 SPANISH AMERICAN LITERATURE FROM THE NINETEENTH CENTURY TO THE PRESENT. Fall. New Title. Staff.

(SI 315 EL ARTE DE LA TRADUCCION: PROBLEMAS Y SOLUCIONES)

SI 325 INTRODUCTION TO BRAZIL. Deleted.

SI 330 LATIN AMERICAN CULTURE AND CIVILIZATION. Fall.

SI 402 CERVANTES Y EL "DON QUIJOTE". Spring. New Description. A detailed discussion and analysis of the Quijote with additional readings from major literary and cultural sources. (Senior majors). Mr. Veguez.

(SI 410 THE "MASS MEDIA" IN SPANISH LITERATURE)

SI 434 TEATRO HISPANOAMERICANO MODERNO: CUESTION DE LIBERTAD. Fall.

SI 436 FILM AND LATIN AMERICAN LITERATURE. Deleted.

SI 439 DE LA MATERIA A LA MARAVILLA: AVENTURAS DEL CUENTO HISPANOAMERICANO. Deleted.

SI 440 ANTI-SLAVERY LITERATURE IN SPANISH AMERICA. Fall. New Course. One hundred years have barely passed since the last black slave in the Americas was freed. Slavery was not totally abolished in Cuba until 1886, nor in Brazil for two years more. In this course, we will explore a number of texts, mostly narrative, that are representative of 19th century anti-slavery sentiment or Afro-Hispanic themes. The authors include Manzano, Villaverde, Gomez de Avellaneda,Tapia y Rivera and Isaacs. Critical focus will emphasize both historical context and close reading toward revealing the foundational construct that gives these works special relevance to important writers of today, such as Carpentier, Barnet and Nicolas Guillen. Ms. Netchinsky.

SI 445 THE SPANISH NOVEL. Deleted.

(SI 450 WOMEN IN HISPANIC LITERATURE)

SI 500 INDEPENDENT STUDY. Fall, Spring.

SI 705 SENIOR HONORS PROJECT. Spring.

ITALIAN

Program Copy. Replace the final four paragraphs (beginning with The Major) with:

The Major: The Italian Major requires a total of not fewer than eleven units beyond SI 151-152, with no more than two from among courses taught in Italian at the 200-level (SI 251-252, SI 275), including Senior Seminar credit. All majors are expected to spend the full year at the School in Florence. To apply for the Junior Year in Florence, a student must complete SI 252. We reserve the right to require a student to attend a preliminary summer in Vermont, if, in our judgment, preparation in Italian is insufficient. The academic year in Florence begins with a three-week preliminary session of intensive courses in language and civilization. After the preliminary session, full-year juniors enroll in language and literature courses at the Sede, and choose as many as two electives from the regular course offerings at the University of Florence. They also have the option of enrolling in one of the courses offered by Smith College, with whom we have a cooperative agreement. A junior without enough preparation to take courses at the University may enroll for both the fall and spring semesters at the Sede and audit classes at the university. N.B. Students who enroll in the School in Florence for the full year may transfer a maximum of 7 units toward the Italian major. One-semester juniors may transfer a maximum of 4 units.

Joint Major: The Italian component of a joint major will consist of at least seven courses beyond SI 151-152, with no more than two from among courses taught in Italian at the 200-level (SI 251-252, SI 275), including Senior Seminar credit. A joint major is expected to spend one semester at the School in Florence, either during the fall or spring semester.

Senior Work: All majors are required to enroll in a course for which they will receive senior seminar credit. The requirement may be fulfilled by enrolling in either SI 750 (when offered) or in a 400-level course offered by the department for SI 750 credit. In the latter case, students must consult with their advisers to determine which course would be most appropriate. Normal expectations for senior work include a research paper of no less than twenty pages.

Honors: See description under SI 705 in Spanish copy.

SI 151 INTENSIVE BEGINNING ITALIAN. Fall. New Description. An introduction to the Italian language which provides a foundation in both spoken and written Italian. Focus on the spoken language encourages rapid mastery of the basic structures and vocabulary of contemporary Italian. The exclusive use of Italian in dialogue situations and vocabu-

lary building encourages the student to develop skills in a personalized context. Students are required to participate in the Italian table. Mr. Skubikowski, Mr. Girelli-Carasi, Ms. Zupan.

SI 152/WT INTENSIVE BEGINNING ITALIAN/WINTER TERM. Winter. New Course. A continuation of SI 151, required for enrolling in SI 152.

SI 152 INTENSIVE BEGINNING ITALIAN. Spring. New Description. Emphasis on increased control and proficiency in the language through audiovisual, conversational and drill methods. Short reading selections from contemporary works and discussions enlarge the student's view of Italian life and culture. (SI 151 or equivalent.) Students continue to participate in the Italian table. Mr. Skubikowski, Mr. Girelli-Carasi, Ms. Zupan.

SI 251 INTERMEDIATE ITALIAN. Fall. New Description. A review of the structure and vocabulary of Italian. Conversation and compositions will be based on readings selected from contemporary Italian prose to increase fluency and naturalness. (SI 152 or equivalent.) Ms. Zupan.

SI 252 ADVANCED ITALIAN. Spring. Mr. Girelli-Carasi.

SI 275 SELF-EXPRESSION IN ITALIAN. Fall. New Course. Students will focus on expanding their written and oral skills at the intermediate level. Grammar lessons will be dedicated primarily to those points which continue to plague students even at a higher level. Weekly writing assignments will emphasize linguistic precision and variety, as well as vocabulary acquisition. Instructional materials will include selections from newspapers and newsmagazines, passages from contemporary Italian literature, as well as videotapes. Mr. Skubikowski.

*SI 290 DANTE (IN ENGLISH). Spring. Mr. Skubikowski.

(*SI 294 THE ITALIAN RENAISSANCE (IN ENGLISH))

(SI 298 THE ITALIANS (IN ENGLISH))

SI 299 LIVING ON THE FRINGE: CHOICE OR NECESSITY (IN ENGLISH). Deleted.

(SI 350 CONTEMPORARY ITALIAN CULTURE AND CIVILIZATION)

SI 352 LITERATURE OF THE RENAISSANCE. Changed to SI 452. See below.

(SI 353 ITALIAN ROMANTICISM)

SI 354 EPOCHE DELLA LETTERATURA ITALIANA I: INTRODUZIONE AL PERIODO MODERNO. Fall. Mr. Girelli-Carasi.

SI 355 EPOCHE DELLA LETTERATURA ITALIANA II: INTRODUZIONE AL MEDIOEVO. Spring. New Title and Description. Students will continue to develop critical and analytical skills through a careful reading of excerpts from the literary masterpieces of the Italian Middle Ages. Beginning with Dante's poetic predecessors, we will then consider late medieval prose and poetry through a selective reading of Dante, Boccaccio, Petrarch. Ms. Zupan.

(SI 452 LITERATURE OF THE RENAISSANCE). Formerly SI 352.

SI 459 MODERN ITALIAN FICTION. Fall. New Description. An introduction to the work of the major Italian novelists of the 20th century, the course will be conducted through class discussion with each author introduced by a formal lecture. Our goal will be to analyze the components of fiction: theme, form, technique; and the relationship between writer and the text. Each novel will be analyzed as an implicit essay on the writing on novels, with particular emphasis on the distinction between voluntary and involuntary messages. Works of the following authors will be chosen: Moravi, Lampedusa, Pavese, Morselli, Calvino, Sciascia. Critical readings will be selected from works of Gramsci, Luckaks, Eco, Barthes, Genot. Mr. Girelli-Carasi.

(SI 484 MODERN ITALIAN POETRY)

SI 490 DANTE IN ITALIAN. Spring.

SI 550 INDEPENDENT STUDY. Fall, Spring.

(SI 750 SENIOR SEMINAR)

TEACHER EDUCATION

Associate Professors: Richard Dollase (chairman). Lecturers: Joanna Hall, Betsy Thurber. Assistants: Katherine W. Cadwell, Francis T. Kelley.

Replace all program copy, beginning with Requirements for Elementary Certification, with the following:

Requirements for elementary certification (K-6):
1) One term of college science or advanced placement in science.
2) A one-term course in the foundations of education. (Either by PY 225 Child Psychology or TE 201: Critical Issues in American Education.)
3) A one-term course on the methods and materials of teaching reading, language arts and the social studies at the elementary school level. (TE 205.)
4) A one-term course on the methods and materials of teaching mathematics and science at the elementary school level. (TE 210.)
5) The professional semester:

TE 404 Curriculum Development in Elementary Education. (Seminars/Workshops in the arts, physical education and health education.
TE 405-406-407 Student Teaching in the Elementary School.

Requirements for secondary certification (7-12):
1) A major or its equivalent in a discipline which coincides with a subject taught widely in public secondary schools is necessary for teacher certification. Middlebury College presently recommends students for secondary-level certification in the following areas: English, French, German, Russian, Spanish, Mathematics, Biology, Chemistry, Geology, Physics, Earth Science, Science, History and other Social Sciences. Students who intend to major in the Social Sciences or who wish double certification should consult with the Director of Teacher Education as early as possible in their college careers.
2) A one-term course in the foundations of education. (Either TE 201: Critical Isues in American Education or TE 202 Issues in Adolescent Development.)
3) A one-term course on the methods and materials of teaching reading and study skills in secondary school subjects. (TE 220.)
4) The professional semester:

TE 414 Problems and Methods of Secondary Education.
TE 415-416-417 Student Teaching in the Secondary School.

The following The Foundations of Education Courses are highly recommended:
PA 210: Philosophy of Education (See Philosophy)
SA 315: Sociology of Education (See Sociology/Anthropology)

TE 201 CRITICAL ISSUES IN AMERICAN EDUCATION. Fall. New Description. A study of persistent problems and ethical issues in educational practice with emphasis on the developmental process and on how children reason and learn. Case materials and readings will focus on such issues as the best way to promote cognitive development and moral education, alternative schooling, minimum competency testing, school discipline, censorship, desegregation and the rights of teachers/students and the handicapped. Field work/research required of those planning to student teach at the secondary level. Mr. Dollase.

TE 202 ISSUES OF ADOLESCENT DEVELOPMENT. Spring. Field work is required for those planning to teach at the secondary school level.

TE 205 METHODS OF TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Spring.

TE 210 METHODS OF TEACHING MATHEMATICS AND SCIENCE IN THE ELEMENTARY SCHOOL. Fall.

TE 220 TEACHING READING AND STUDY SKILLS IN SECONDARY SCHOOL SUBJECTS. Fall.

TE 305 CONTEMPORARY TOPICS IN HIGHER EDUCATION. Spring.

TE 404 CURRICULUM DEVELOPMENT IN ELEMENTARY SCHOOLS. Fall, Spring.

TE 405-406-407 STUDENT TEACHING IN ELEMENTARY EDUCATION. Fall, Spring.

TE 414 PROBLEMS AND METHODS IN SECONDARY EDUCATION. Fall, Spring.

TE 415-416-417 STUDENT TEACHING IN THE SECONDARY SCHOOL. Fall, Spring.

FIELD EXPERIENCE IN TEACHER EDUCATION: THE TEACHER ASSISTANT PROGRAM. WINTER TERM ONLY.

THE PROFESSIONAL SEMESTER
Prerequisites to the professional semester are as follows:

Demonstrated competence in writing, speaking, mathematics, and mastery of the subject matter as attested by:
- successful completion of a freshman writing course;
- assessment by the Teacher Education Program staff of a student's language facility and articulateness in methods and materials courses;
- achievement of a score of 500 or more on the mathematics section of the Scholastic Aptitude Test or passing a basic skills test in mathematics;
- assessment by the department chairman in the student's major (secondary) or by the appropriate liberal arts faculty and the Teacher Education Program staff (elementary).

Demonstrated intellectual competence as attested by one or more of the following:
- an overall B average the semester before student teaching;
- a B average in field of major studies before student teaching;
- review by the Teacher Education Program Committee of the applicant's transcript and letters of evaluation by the department chairman (or designate) in the major and by other liberal arts professors. The recommendation of the Teacher Education Program Committee will be submitted to the Vice President for Academic Affairs for final approval.

Demonstrated commitment and personal qualities needed for a successful career in teaching as attested by:
- satisfactory performance of field work in the school as an observer, tutor or teacher assistant;
- a sincere interest in undertaking student teaching and considering a career in education that is reflected in a personal statement and in an interview with the Teacher Education Program staff;
- possession of such personal qualities as concern, enthusiasm, openness, empathy, cooperativeness and flexibility to adapt to new situations as evaluated by the Teacher Education Program staff, cooperating teachers involved in the student's field work and by other faculty at the College.

Also the following course requirements must be completed:
1. For elementary certification, successful completion of TE 201 (or an equivalent course in the foundations of education), TE 205, TE 210, and a one-semester course in science.

2. For secondary certification, successful completion of TE 201 (or an equivalent course in the foundations of education) and TE 220.

3. For all certification fields, the Teacher Assistant Program (winter term) is recommended, but not required.

Students accepted for student teaching should register for four courses in the same term as follows:

Elementary Education
TE 404 Curriculum Development in Elementary Schools

TE 405-406-407 Students Teaching in Elementary Education

Secondary Education
TE 414 Problems and Methods in Secondary Education
TE 415-416-417 Student Teaching in the Secondary School

THEATRE, DANCE AND FILM

Professors: Ted Perry, Chandler Potter. Associate Professor: Douglas Sprigg (chairman). Assistant Professors: Penny Campbell, Andrea Olsen (on leave). Instructor: Bryan Schofield. Technical Director: Richard Forman.

Major Program.
ACTING/DIRECTING EMPHASIS
Under Required Courses, change TH 321 SHAKESPEARE to EL 321 SHAKESPEARE
Under Cognate Courses, change TH 223 LIGHTING DESIGN to TH 213 LIGHTING DESIGN

DESIGN/PRODUCTION EMPHASIS
Under Required Courses, change TH 221 SCENE DESIGN I to TH 211 SCENE DESIGN I
Under Studio Courses, Change TH 223 LIGHTING DESIGN to TH 213 LIGHTING DESIGN

DANCE EMPHASIS
No Change.

FILM EMPHASIS
Under Film Courses, Add: TH 235 SIGHT AND SOUND
TH 332 WORKSHOP IN FILM CRITICISM

FRESHMAN WRITING PROGRAM.. New Section.
The following course satisfies the freshman writing requirement:

TH 106 INTRODUCTION TO DRAMA STUDY. Fall. New Description. Masterpieces of dramatic literature will be studied as a way of exploring the possibilities of dramatic communication. The primary objective will be to enrich the student's appreciation of the dramatic experience through an examination of the relationship between text, stage, audience, and culture. Staff.

DEPARTMENTAL COURSES
THEATRE COURSES
TH 102 ACTING I. Fall, Spring. Staff.

TH 106 INTRODUCTION TO DRAMA STUDY. See FRESHMAN WRITING PROGRAM, above.

*TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring. Staff.

TH 202 ACTING II. Fall, Spring. Staff.

TH 211 SCENE DESIGN I. Fall.

TH 213 LIGHTING DESIGN (formerly TH 223). Spring.

TH 214 DIRECTING I. Fall.

TH 216 AMERICAN DRAMA. Spring. New Description. Approaching drama as a theatrical phenomena, the course will explore dramatic and theatrical activity in the United States from the 18th century to the present, although the primary focus will be on the 20th century. Particular attention will be given to the work of Eugene O'Neill, Tennessee Williams, Arthur Miller, Edward Albee, Sam Shepard, and David Mamet. Staff.

(TH 218 PLAYWRITING I)

(TH 221 SCENE DESIGN II)

TH 223 LIGHTING (Changed to TH 213, above)

TH 226 MODERN DRAMA. Spring. New Description. A study of representative playwrights, from Ibsen and Chekhov to Beckett and Pinter, whose radical experiment with the form and substance of dramatic and theatrical communication have shaped the drama and theatre as it exists today. Attention will be given to the historical/cultural context of the plays to determine what constitutes "modernism" in the theatre, but the major emphasis will be upon a close study of the dramaturgical techniques employed by each playwright and how these techniques are designed to communicate to an audience in the theatre. Staff.

(TH 228 PLAYWRITING II)

TH 302 VOICE FOR THE ACTOR. Spring. Staff.

(TH 306 TWENTIETH CENTURY EXPERIMENTS)

(TH 325 COSTUME DESIGN)

TH 409 SPECIAL TOPICS: SPRING REPERTORY PRODUCTION COMPANY. Spring. New Description. This course forms the core of the Spring Repertory Company which may include actors, choreographers, designers, directors, playwrights, scene and costume technicians, and stage managers. There will be three to five productions in various modes and spaces. The practical work will be supported by workshops introducing basic ideas and procedures in such areas as approaching the script, architecture of performance spaces, schedules and planning, lighting, sound, and technical/dress rehearsals. Admission by audition or interview during the fall term. Mr. Potter and Staff.

TH 500 INTERMEDIATE INDEPENDENT PROJECT. Fall, Spring.

TH 700 SENIOR PROJECT. Fall, Spring.

PRODUCTION STUDIOS
TH 210 PRODUCTION STUDIO: ACTING/DIRECTING. Fall.

TH 219 PRODUCTION STUDIO: DESIGN/PRODUCTION. Fall.

(TH 220 PRODUCTION STUDIO: ACTING/DIRECTING)

(TH 229 PRODUCTION STUDIO: DESIGN/PRODUCTION)

DANCE COURSES
TH 160 INTRODUCTORY DANCE. Fall, Spring.

TH 161/162 ADVANCED BEGINNING DANCE. Fall, Spring. New Course. These two semesters of work continue on into the craft of modern dance begun in TH 160. They provide the foundation of experiences needed in order to proceed with dance study at the intermediate level. A basic ballet vocabulary is built in support of developing modern techniques with emphasis on increased endurance, rhythmic and coordination skills. Composition becomes a weekly focus as students investigate the basic elements of choreography and the relationships of music and dance. Readings, films and live performances are used as the basis for exploration of dance aesthetics. (TH 160 or permission. TH 161 and TH 162 must be taken in consecutive order.) Staff.

TH 260 INTERMEDIATE DANCE I. Fall. New Title and Description. Concentrated intermediate level work in modern dance technique and choreography. Improvisation is used as a seeding ground for the development of choreography with attention given to form (organic form, climax, theme and variation, motif and development, chance, etc.) and more sophisticated aspects of space, time, energy. Creation and performance of original work is encouraged. Films and live viewing serve to extend the daily rigor of the studio experience. A brief but crucial academic component deals with aesthetics - questions and values of paramount importance to the dancer/choreographer as artist. (TH 161 and 162.) Staff.

TH 261 INTERMEDIATE DANCE II. Spring. New Title and Description. A continuation of TH 260. Ms. Campbell.

TH 270 INTERMEDIATE BALLET I. Deleted.

TH 271 INTERMEDIATE BALLET II. Deleted.

TH 276 ANATOMY AND KINESIOLOGY. Fall, Spring. Staff.

TH 279 MOVEMENT INTENTIONALITY FOR THE STAGE. Spring. New Description.

TH 284 DANCE HISTORY. Spring. This course may not be offered every other fall term in even years. Ms. Campbell.

TH 360 ADVANCED DANCE I. Fall.

TH 361 ADVANCED DANCE II. Spring.

TH 380/381 DANCE COMPANY OF MIDDLEBURY. Fall, Winter. Performances and tour are scheduled during winter term. Ms. Campbell.

FILM STUDY COURSES

*TH 130 FILM FORM AND FILM SENSE. Fall, Spring.

TH 231 FILM HISTORY. Fall. New Description. Film history may be studied from many different perspectives, including technological, social, economic, and as stylistic evolution. This course examines the historical development of the medium in and through the contribution of some of the most important directors, among them Antonioni, Bergman, Bresson, Bunuel, Capra, Kurosawa, Ozu, Lang, Renoir, Rossellini, Welles, Vertov, and Brakhage. One example of each director's work will be screened; lectures will detail the unique contributions which that director has made to the development of film history. Readings will include critical analyses of each director's work and writings by the director. Screenings, lectures, research papers. (TH 130.) Mr. Perry.

(TH 232 INDEPENDENT CINEMA)

TH 234 AMERICAN FILM GENRES. Spring.

TH 235 SIGHT AND SOUND. Fall.

(TH 330 FILM AND MODERNISM)

(TH 331 FILMS OF ANTONIONI)

(TH 332 WORKSHOP IN FILM CRITICISM)

TH 430 SPECIAL TOPICS: SIGHT AND SOUND II. Spring. New Course. An advanced version of TH 235, in which students complete longer video projects. (TH 235 and permission of the instructor.) Mr. Perry.

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